J.P.Morgan

Coherus

A Pure-Play on the Emerging Biosimilar Opportunity: Initiating Coverage with an OW Rating and \$20 Price Target

We are initiating coverage of Coherus BioSciences with an OW rating and \$20 YE15 price target. Coherus is a pure-play biosimilar company with three lead molecules, all of which are expected to be in late-stage trials by 2015 and potentially launching in the 2016-17 time frame. With a strong and highly experienced management team, we see the company as well positioned within an emerging biosimilar market, where even modest market share penetration could translate into significant sales.

- We see biosimilars as having meaningful commercial value over time. We expect to see a range of biosimilars launched over the next 5-10 years with biologic products with ~\$100 billion in annual sales losing patent protection through 2020 and following the establishment of biosimilar approval pathways in most developed markets. Given the significant branded sales in these markets, even modest market penetration would translate to a significant biosimilar commercial opportunity. Further, we see biosimilars generating attractive operating margins over time, particularly as these products are expected to have branded pharmaceutical-like gross margins.
- Coherus is a pure-play on the upcoming biosimilar opportunity with three lead products, all of which will be in phase III by 2015. Coherus is a pure-play on this opportunity with all three of its lead biosimilar candidates (biosimilar versions of Humira, Enbrel and Neulasta) expected to be in full phase III development by early 2015 and positioned to enter the market in 2016 or 2017. Assuming modest biosimilar penetration and 4-5 competitors per market, we see Coherus generating ~\$450mm in sales by 2020, growing to ~\$850mm by 2025.
- Legal and commercial uncertainties represent key risks in the story. As biosimilars are still very much an evolving market, particularly in the US, we see updates on the clinical, legal and commercial elements of the biosimilar market to represent catalysts for CHRS shares. We will closely watch dynamics around remaining originator patents (which could potentially delay time-to-market) and the biosimilar commercial model, which we see as primary risks in the CHRS story.
- December 2015 risk-adjusted price target of \$20 is based on DCF analysis. We assume a 2017 US entry for CHS-1701 (Coherus's biosimlar version of Neulasta) and a late-2017 US entry for CHS-1420 (Coherus's biosimilar version of Humira). In addition, we anticipate Coherus will enjoy milestones and a royalty on sales of Baxter's biosimilar Enbrel, which is expected to launch in Europe in 2017.

Coherus BioSciences, Inc. (CHRS:CHRS US)

| FYE Dec | 2012A | 2013A | 2014E | 2015E | 2016E |
|-------------------|--------|--------|--------|--------|--------|
| EPS Adjusted (\$) | | | | | |
| Q1 (Mar) | - | - | - | - | - |
| Q2 (Jun) | - | - | - | - | - |
| Q3 (Sep) | - | - | - | - | - |
| Q4 (Dec) | - | - | - | - | - |
| FY | (9.51) | (9.66) | (5.62) | (2.98) | (3.05) |

See page 33 for analyst certification and important disclosures.

J.P. Morgan does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Initiation Overweight

CHRS, CHRS US Price: \$13.37

Price Target: \$20.00

Pharmaceuticals — Major & Specialty

Chris Schott, CFA AC

(1-212) 622-5676

christopher.t.schott@jpmorgan.com Bloomberg JPMA SCHOTT <GO>

Wendy L Lin

(1-212) 622-5350

wendy.l.lin@jpmorgan.com

Dana Flanders, CFA

(1-212) 622-1256

Company Data

52-week Range (\$)

Market Cap (\$ mn)

Fiscal Year End

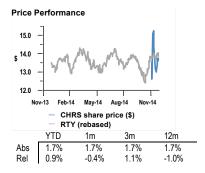
Shares O/S (mn)

Price Target (\$) Price Target End Date

Price (\$)
Date Of Price

dana.c.flanders@jpmorgan.com

J.P. Morgan Securities LLC



| www.jpmorganmar | kets.com |
|-----------------|----------|

13.37

Dec

13,387

20.00

01 Dec 14

16.25-12.27

178,977.50

31-Dec-15

Table of Contents

| Investment Thesis | 3 |
|--|----|
| Risks to Rating and Price Target | 4 |
| Company Description | 5 |
| We See an Attractive Biosimilar Market Evolving Over the Next 5-10 years | |
| We See a Wave of Biologic Patent Expiries Through 2020 | 6 |
| Legislation as Created a Biosimilar Approval Pathway in the US and Abroad | 7 |
| Patent Resolution Process and New IP Represents Key Uncertainty | 8 |
| Molecule Selection/Pre-Clinical Development | 11 |
| Clinical Development | 11 |
| Commercial Adoption | 12 |
| We See Four Factors Critical to Driving Biosimilar Adoption | 12 |
| We See a Range of Companies Targeting the Biosimilar Market | 14 |
| Management Sees Relatively Low Commercialization Costs, but Coherus Is Ope Partnerships | |
| CHS-1701 (pegfilgrastim, Biosimilar Neulasta) Also Represents an Attractive | |
| Opportunity for Coherus | |
| Valuation | 25 |
| DCF Analysis Supports a Risk-Adjusted \$20/Share Valuation | 25 |
| Catalysts | 26 |

Investment Thesis

Coherus BioSciences (CHRS)

Overweight

We see biosimilars as having meaningful commercial value over time

We expect a range of biosimilars will launch over the next 5-10 years with biologic products with \sim \$100 billion in annual sales losing patent protection through 2020. Following the establishment of biosimilar approval pathways in the US and most developed markets, biosimilar manufacturers now have a path to market – and given the significant branded sales in these markets, even modest biosimilar market share would translate to a significant commercial opportunity.

While we do not expect originators will easily cede share to biosimilar manufacturers, we see payers as highly incentivized to move patients to biosimilars and believe that physicians are willing to start new patients on approved biosimilars. In addition, we believe Coherus has focused on products in markets that are particularly receptive to biosimilars both from a physician and payer perspective.

Coherus is a pure-play on the upcoming biosimilar opportunity with three products entering phase III by 2015

Coherus is a pure-play on this opportunity with three lead biosimilar candidates (biosimilar versions of Humira, Enbrel and Neulasta), all of which will have entered late-stage clinical development by early 2015. These products target several of the largest biologics currently on the market, with 2014 branded sales in Coherus's targeted markets expected to reach roughly \$20 billion in 2014. Coherus is currently evaluating CHS-0214, its biosimilar etanercept, in two phase III studies in rheumatoid arthritis and psoriasis, which we expect will represent the basis for approval for all approved Enbrel indications. In addition, we expect Coherus to initiate phase III studies for its other lead molecules, CHS-2140 (biosimilar adalimumab) and CHS-1701 (biosimilar peg-filgrastim) in 2015, which would position all three molecules for 2016 or 2017 launches. Assuming a modest biosimilar market share and 4-5 competitors per market, we see Coherus generating \$45million in revenue by 2020, growing to \$847million by 2025.

Of these, CHS-2140 (biosimilar Humira) represents Coherus's key value driver in our view

Humira is the largest biopharma product in the work with 2017 worldwide sales expected to reach \$16.5 billion, and Coherus's biosimilar version of the product is expected to enter phase III development in 2015. This positions Coherus to have full phase III data by 2016 and launch in 2017. The company has retained full economics to CHS-2140, and as it is one of 4-5 competitors in the space, we believe the product represents a key value driver for the Coherus story. We are forecasting a late-2017 launch of CHS-2140 in the US and a 2018 launch in the EU with 2025 sales expected to reach \$435 million.

Beyond its initial three product opportunities, we see a platform at Coherus that is capable of developing further biosimilars over time

Developing biosimilar drugs requires a specific set of capabilities, including the ability to correctly characterize the originator molecule and to analytically recreate a biosimilar molecule without infringing on the originator's patents. This requires biosimilar companies to spend significant time characterizing the in vitro and in vivo

profile of a biosimilar candidate before studying it in a phase I PK/PD study and ultimately in a non-inferiority phase III study. We see Coherus as having developed a team and platform that is capable of developing further biosimilars over time. Given this complexity, we believe Coherus could attract significant interest from major biopharma players if it were to seek a sale or partnership of its assets.

Coherus highly experienced management team represents a clear positive for the story

The Coherus team has significant experience in the development and commercialization of biologic medicines, including in the development of Enbrel at Immunex (which was later acquired by Amgen). Along these lines, we see the management team as particularly qualified to develop biosimilars (including anti-TNF agents). In addition, as we see biosimilars as payer-driven (at least to some extent), we believe only a modest-sized commercial organization would be required to launch each of Coherus's lead molecules if approved.

Legal and commercial uncertainties represent key risks in the story

As biosimilars are still very much an evolving market, particularly in the US, we see updates on the clinical, legal and commercial elements of the biosimilar market to represent catalysts for CHRS shares. We will closely watch dynamics around remaining originator patents (which could potentially delay time-to-market) and the biosimilar commercial model, which we see as primary risks in the CHRS story.

Our DCF analysis implies a \$20/share valuation for CHRS.

We use a risk-adjusted DCF analysis to arrive at a \$20/share valuation for CHRS, our YE'15 price target. Our analysis assumes a 2017 US entry for both CHS-1701 (Coherus's biosimlar version of Neulasta) and CHS-1420 (Coherus's biosimilar version of Humira).

Risks to Rating and Price Target

Uncertainty surrounding IP and patent litigation process represents key risk in the story

Unlike with small molecule generics, the originator companies do not need to disclose patents surrounding the reference biologic until after a biosimilar manufacturer has filed its product with the FDA. Under the 351(k) pathway, the biosimilar sponsor must disclose its application to the originator, who then must respond with a list of infringed patents, starting what could be a lengthy negotiation process to determine which patents will be litigated. It remains to be seen how efficient this process will be or if the courts will enjoin Coherus from launching its products during the litigation process.

Biosimilars might not achieve the market penetration we have forecast

Given very little experience with biosimilars in the US and EU markets, uncertainty around commercial success represents another key risk in the story. Biosimilars represent a new paradigm in the biopharma market, and the pace of rollout and ultimate market share penetration of these products remain far from certain. We estimate that biosimilars will capture 25-35% of the etanercept and adalimumab markets and 40-55% of the pegfilgrastim market, and the rate of biosimilar uptake and ultimate biosimilar conversion could limit sales of Coherus's products.

Coherus could face more competitors and experience more price competition than anticipated

The rate of uptake and/or pricing could limit sales of any of Coherus's biosimilar products. There are a range of companies, including several very large biotech and pharmaceutical manufacturers, developing biosimilar products, including biosimilar versions of the same products that Coherus is targeting. We anticipate Coherus achieving competitive share in 4-5 competitor biosimilar markets at a 25-35% discount to the originator molecule, but the ultimate number of competitors and Coherus's pricing power and ability to compete against larger biopharma remain unclear.

Coherus will need to raise additional capital or seek a partner for its products prior to commercialization

Unlike traditional small molecule generics, biosimilars are not interchangeable and need to be marketed (requiring upfront SG&A spend). We expect CHRS to remain unprofitable for the near future and estimate that proceeds from the company's recent IPO can cover the development costs of the company's lead molecules through 2016. From there, Coherus will likely need to raise additional capital or seek a partner for its products prior to commercialization, in our view.

Company Description

Coherus Biosciences is a late-stage biopharmaceutical company focused on developing and commercializing biosimilars. The company has created a biosimilar platform based on advanced proprietary analytics, process science, formulation technologies, and clinical and regulatory capabilities designed to deliver high-quality biosimilars.

The company expects to have three molecules in late-stage clinical development, supporting registration filings within 2 years, including CHS-0214 (biosimilar etanercept), CHS-1420 (biosimilar adalimumab), and CHS-1701 (biosimilar pegfilgrastim). Phase III trials for CHS-0214 are already under way in rheumatoid arthritis and psoriasis.

We expect the three lead biosimilar products to be commercialized beginning in 2017. Coherus has partnered with Baxter and Daiichi Sankyo for development and commercialization of CHS-0214 outside the US and Canada. Additional undisclosed products comprise the earlier-stage product pipeline. *J.P. Morgan advised Coherus on the company's initial public offering*.

We See an Attractive Biosimilar Market Evolving Over the Next 5-10 years

Coherus Biosciences is a pure-play biosimilar company, with three lead molecules in late-stage clinical development. These products are biosimilar versions of Enbrel (etanercept), Humira (adalimumab) and Neulasta (pegfilgrastim), which are among the largest biologic products currently in the market, with 2014 aggregate sales expected to reach over \$20 billion in the markets that Coherus is initially targeting. Beyond these initial opportunities, we believe Coherus has developed a platform

capable of developing additional biosimilar molecules over time, and we expect the company to bring a new molecule into phase III development roughly every 2 years.

Biosimilars are an emerging and potentially substantial revenue opportunity for the industry. We expect to see a wave of biosimilars introduced to the US and European markets over the next 5-10 years, and we see Coherus as well positioned to capture share in a number of key markets.

While we anticipate much debate surrounding the evolution of the biosimilar markets over the next several years, we believe biosimilars will ultimately represent a meaningful opportunity for the following reasons:

- Biologic sales have grown rapidly over the past decade, and IMS expects biologics to account for over \$220 billion in annual sales by 2017.
- There is a wave of upcoming key patent expirations for key biologic products.
- Regulators have created a path to market for biosimilar manufacturers.
- Payers appear highly incentivized to support the uptake of biosimilars.

At the same time, we see several challenges and uncertainties that face biosimilar manufacturers:

- There is a range of patents that could delay biosimilars even after initial IP on these products has expired.
- Biosimilar development is costly, and competition among the biosimilar players could result in lower returns on these investments than anticipated.
- Market uptake for biosimilars could be very gradual in some markets, as physicians are reluctant to adopt new therapies.

We See a Wave of Biologic Patent Expiries Through 2020

Following a wave of new product introductions over the past two decades, we expect to see a wave of biosimilars introduced to the US and European markets over the next 5-10 years, as a number of large biologic products go off patent. We calculate that 31 major branded biologic products with a total of ~\$100 billion of global sales have either lost patent exclusivity or will do so through 2020.

Figure 1: We See a Significant Wave of Biologic Products That Are Losing Patent Exclusivity Through 2020

| Brand Name | Generic Name | Innovator(s) | 2013 Sales |
|----------------------|-------------------------|----------------------|------------|
| Humira | adalimumab | AbbVie | \$10.6bn |
| Remicade | infliximab | J&J | \$8.4bn |
| Enbrel | etanercept | Amgen | \$8.3bn |
| Lantus | insulin glargine | Sanofi | \$7.6bn |
| Rituxan | rituximab | Roche | \$7.5bn |
| Avastin | bevacizumab | Roche | \$6.8bn |
| Herceptin | trastuzumab | Roche | \$6.6bn |
| Neulasta | pegfilgrastim | Amgen | \$4.4bn |
| Lucentis | ranibizumab | Roche | \$4.2bn |
| Avonex | interferon beta-1a | Biogen Idec | \$3.0bn |
| Humalog | insulin lispro | Eli Lilly | \$2.6bn |
| Rebif | interferon beta-1a | Merck KGaA/ Pfizer | \$2.5bn |
| Botox | onabotulinumtoxinA | Allergan | \$2.2bn |
| Levemir | insulin detemir | Novo Nordisk | \$2.1bn |
| Advate | factor VIII | Baxter | \$2.0bn |
| Epogen | epoetin alfa | Amgen | \$2.0bn |
| Erbitux | cetuximab | Bristol-Myers Squibb | \$1.9bn |
| NovoMix 30 | insulin aspart | Novo Nordisk | \$1.7bn |
| Kogenate | octocog alfa | Bayer | \$1.6bn |
| Xolair | omalizumab | Roche | \$1.5bn |
| Tysabri | natalizumab | Biogen Idec | \$1.4bn |
| Neupogen | filgrastim | Amgen | \$1.4bn |
| Pegasys | peginterferon alfa2a | Roche | \$1.4bn |
| Procrit | epoetin alfa | J&J | \$1.4bn |
| Synagis | palivizumab | AstraZeneca | \$1.4bn |
| Pediarix | DTP, HBV, Polio Vaccine | GlaxoSmithKline | \$1.3bn |
| Forteo | teriparatide | Eli Lilly | \$1.2bn |
| Norditropin SimpleXx | somatropin recombinant | Novo Nordisk | \$1.1bn |
| Actemra | tocilizumab | Roche | \$1.1bn |
| Orencia | abatacept | Bristol-Myers Squibb | \$1.0bn |

Source: Company reports and J.P. Morgan estimates.

Legislation as Created a Biosimilar Approval Pathway in the US and Abroad

Biologics products are structurally much more complex than small molecule drugs and, as a result, are more difficult to replicate. Biosimilars of reference or novel biologics approved under the 351(a) Biologics License Application ("BLA") process cannot be approved through the small molecule generic pathways (505(b)(1) in the United States). However, the passage of the Patient Protection and Affordable Care Act (ACA) in March 2010 enacted the Biologics Price Competition and Innovation Act ("BPCIA"), which created the 351(k) biosimilar approval pathway.

The 351(k) biosimilar pathway allows the BLA to proceed on the basis of data that previously supported approval of the originator biologic. However, unlike a small molecule generic drug that must be structurally identical to the originator compound, a biosimilar must be "highly similar" to the reference biologic without any clinically meaningful differences in terms of safety, purity and efficacy. The EMA established a similar framework for approving biosimilars in 2005, and many markets around the world have adopted similar guidelines.

Of note, because the biosimilar application can rely on information already known about the originator biologic, a biosimilar company can save significant time and resources by avoiding much of the costly testing that was required for development and approval of the originator drug. However, we are not expecting these products to be directly substitutable for originator compounds like those we see in the traditional small molecule pharmaceutical market.

Label extrapolation appears likely with biosimilars

Many biologics are used in multiple indications. However, both the EMEA and FDA may approve a biosimilar in a full range of these indications based on a single Phase III study, under the rationale that the biosimilar should perform similarly in other indications. The potential for such label extrapolation may result in far less expensive development programs for companies developing biosimilars. For example, we expect that Coherus can obtain approval for all indications of Humira by demonstrating that its biosimilar version of Humira is as safe and effective as the originator biologic in just one of Humira's approved indications. We note that Celltrion/Hospira's biosimilar version of Remicade was approved in Europe in all indications based on label extrapolation.

Biosimilars are not expected to be interchangeable with originator products

The FDA distinguishes between biosimilarity and interchangeability. Biosimilars that are not deemed "interchangeable" cannot be dispensed by a pharmacist in place of the originator molecule without physician approval. As a result, biosimilars that are not "interchangeable" must therefore be marketed separately to physicians.

Biosimilar candidates must meet a more stringent set of requirements to be approved as "interchangeable." Biosimilars can be considered "interchangeable" by the FDA if they are expected to generate the same clinical result as the originator biologic in any given patient and can be switched in/out at any given point during the treatment duration without any differences in terms of safety or efficacy. It remains unclear what studies the FDA would require to deem a biosimilar "interchangeable," and we do not expect any interchangeable biosimilars for the foreseeable future.

Patent Resolution Process and New IP Represents Key Uncertainty

Purple book does not include patent information

While the small molecule Orange Book lists the products and the patents that could potentially delay the approval of a generic drug, the Purple Book currently lists only the products and not the applicable patents. This puts biosimilar companies at a disadvantage since patent information pertaining to the originator biologic need not be disclosed until the initiation of the BPCIA's patent resolution process – which begins after the filing of the 351(k) biosimilar regulatory application

Biosimilar companies must therefore rely on their own internal legal assessments of the originator's relevant patents. Such assessments may remain largely untested until the biosimilar company files for 351(k) regulatory approval, which then triggers a stepwise patent resolution process created under the BPCIA in which the biosimilar applicant and the originator mutually disclose and discuss lists of potentially relevant patents during a process lasting approximately 8 to 9 months following the biosimilar applicant's 351(k) regulatory filing date.

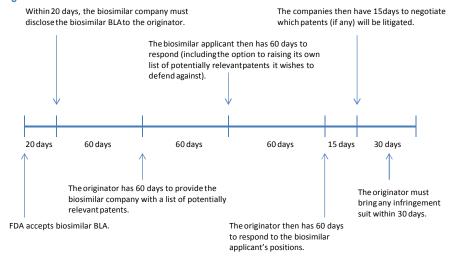
Uncertainty remains around biosimilar patent resolution process

After a successful Phase III study that confirms that a biosimilar candidate shows safety and efficacy similar to that of the originator molecule, the biosimilar company can submit a 351(k) biosimilar BLA to the FDA. The biosimilar act sets forth a staged process in which the biosimilar applicant and the originator are given the opportunity to engage in a disclosure and negotiation process that focuses on

potentially relevant patents. In the first stage of this process, the biosimilar applicant must disclose the entire biosimilar application to the originator within 20 days of FDA acceptance of the filing, after which the originator has 60 days to respond with a list of potentially relevant patents. The biosimilar applicant then has 60 days to respond (including the option of raising its own list of potentially relevant patents it may wish to defend against). The originator then has 60 days to respond to the biosimilar applicant's positions.

At this point, the parties then have 15 days to reach agreement as to which patents (if any) will be immediately litigated, after which any infringement suit must be brought by the originator within 30 days. The biosimilar applicant must provide notice at least 180 days prior to launch, which could trigger a second opportunity for the originator to bring suit under one or more patents that were identified in the patent lists exchanged by the parties in the initial stage of the BPCIA patent resolution process.

Figure 2: BPCIA Patent Resolution Process



Source: Company reports, FDA guidelines.

While there is no automatic stay of approval as there is under the ANDA/505(b)(1) small molecule generic approval pathway, the originator company may try to obtain a preliminary injunction motion against the biosimilar applicant under one or more unexpired patents it believes may be pertinent to the biosimilar.

The Sandoz/Amgen experience: a loophole?

We would note that the FDA is not explicitly required or even authorized to deny biosimilar approval based on a failure of the biosimilar company to disclose the application to the originator. In this case, the originator can sue for infringement and seek injunctive relief.

This is currently what is playing out with Sandoz and Amgen over Sandoz's biosimilar filgrastim (Neupogen). After filing the 351(k) BLA with the FDA, Sandoz did not disclose its application to Amgen. As a result, Amgen filed a complaint to the U.S. District Court alleging that Sandoz has unlawfully refused to follow the patent resolution process and seeking declaratory and injunctive relief. While it seems

unlikely that Coherus would pursue this path, in our view, we will closely watch as this process plays out.

Intellectual property could pose ongoing challenges

In addition to the uncertainty surrounding the patent resolution process, we expect continued uncertainty regarding the extent and enforceability of intellectual property filed by originator companies. Furthermore, the originators continue to file additional patents around their molecules, and pending patents are generally not made public until 18 months after filing. Although we believe these pending patents are likely related to the formulation and manufacturing process, and Coherus is seeking to patent its own IP directed to the formulation and manufacture of certain biosimilar products in its portfolio, we will continue to watch for additional clarity on the IP front.

Biosimilar Development Process Is Far More Complex than Traditional Generics

The biosimilar approval guidelines requires biosimilar companies to spend significant time characterizing the in vitro and in vivo dynamics of a biosimilar candidate before studying it in a phase I PK/PD study and ultimately in a bioequivalence phase III study.

Overall, we see biosimilar development as a good value proposition, with much of the development risk of a clinical program mitigated before costly phase III trials. We estimate that developing a molecule through the pivotal phase I PK/PD study costs \$15-20 million of the roughly \$100 million it takes to develop a biosimilar and removes an estimated 80% of the risk.

At the same time, biosimilars present a different set of challenges. Designing a biosimilar molecule requires a specific set of capabilities, including the ability to correctly characterize the originator molecule and to analytically recreate a biosimilar molecule without infringing on the originator's intellectual property.

Generics **Biosimiliars Biologics** Scientific Difficulty Low High Time Short (3-4 yrs) Long (10+) ~ 8 Ye High (> \$800M) Low (< \$5M) **Full Clinical Dev** Bioequivalence ~ \$200M **Manufacturing Process** Simple, Short Long, Complex High Low Promotion, Detail, Education Prescribers, GPOs, MCOs **Patients** Prescribers and Pavers Many, Little ew, Well-Differentiation differentiated Several, Partially Differentiated

Figure 3: Biosimilars Are More Akin to Branded Biologics than Small Molecule Generics

Source: Amgen 2014 Investor Day.

Molecule Selection/Pre-Clinical Development

Protein sequencing represents the first step in biosimilar development

A biosimilar must precisely match the amino acid sequence of an originator's molecule. Unfortunately, publicly available data around the amino acid sequence of some biologic products can be unreliable, and many originator molecules may have multiple sequences published. To match a biosimilar candidate to the originator biologic, Coherus first obtains the originator drug and fully sequences the molecule in-house to validate the amino acid sequence before designing the cDNA used to synthesize the biosimilar. Then, after developing the transformed cells, Coherus confirms the sequence of amino acids in the biosimilar against that of the originator.

Matching the glycosylation profile is critical to achieving biosimilarity

After matching the amino acid sequence of the originator biologic, Coherus must then tune the biosimilar candidate to closely match the glycobiology of the originator molecule. Many therapeutic proteins are glycosylated (where glycans- or polysaccharides- are attached through enzymatic processes at various sites on the molecule), and unlike the amino acid sequence, which is constant, glycosylation varies and is dependent on the cell line and growth conditions. Parts of the glycosylation pattern are critical for biological function, and matching the appropriate sugars to the originator's molecule is important as the glycosylation profile affects the PK/PD profile of the molecule as well as the safety and efficacy of the drug. During this step, Coherus uses a variety of analytical methods, including in vitro pharmacology assays, to analyze the chemical, structural and functional similarity between its biosimilar candidate and the originator molecule.

Intellectual property poses challenges

The BPCIA act in the US affords originator companies a mechanism to attempt enforcement of potentially relevant patents such as formulation and manufacturing process IP against biosimilar applicants before launch. Biosimilar companies therefore face challenges in developing biosimilar products that will not infringe such patents of the originator or other parties. Furthermore, biologic originators can be expected to file new patent applications on various aspects of biosimilars, and these filings are generally not made public until 18 months after filing.

Coherus recognizes these challenges, and has the capability to create proprietary IP such as formulation and processing technology. For example, the company has developed and filed patent applications on proprietary formulation technologies that avoid certain ingredients required in the patented originator formulations for Enbrel and Humira.

Clinical Development

Pivotal phase I PK/PD

Following successful pre-clinical studies in relevant animal models, selected biosimilar candidates begin pivotal phase I PK/PD trials. Regulatory agencies have established requirements for C_{max} (maximum concentration), $AUC_{0\rightarrow t}$ (area under the concentration curve until the last time point measured), and $AUC_{0\rightarrow \infty}$ (area under the concentration curve extrapolated to infinity) in order to establish bioequivalence. For each parameter, the FDA requires that the ratio of the biosimilar to the originator molecule must be between the 80% and 125% confidence interval.



Phase III confirmatory safety and efficacy study

Following a successful phase I PK/PD study, a biosimilar is tested against the originator molecule in a confirmatory safety and efficacy study. Endpoints for phase III studies vary and depend on the specific therapeutic indications studied and previous clinical trials of the originator molecule compared with placebo. These studies are bioequivalent trials and depending on the size of the initial trials with the originator can be quite large. However, only a single phase III trial is required, so the overall development costs are considerably less than that of an innovative molecule.

Commercial Adoption

We Are Forecasting Initial Uptake Could Be Gradual for Biosimilars

Biosimilars represent a new paradigm in the biopharma market, and the pace of rollout and ultimate market share penetration of these products remain far from certain. While we are anticipating varied uptake by market and region based on the individual characteristics of the originator product, we ultimately see the success of biosimilars as a matter of "when" not "if." We see payers as highly incentivized to move patients to biosimilars and believe physicians are willing to start new patients on approved biosimilars.

In addition, we believe Coherus has selected markets that are particularly receptive to biosimilars based on the criticality of the patient's condition, a rapid safety and efficacy response, the relative decision-making power of the payer/physician, and payer incentive to switch patients to biosimilars.

We See Four Factors Critical to Driving Biosimilar Adoption

We see four factors as critical to driving biosimilar adoption:

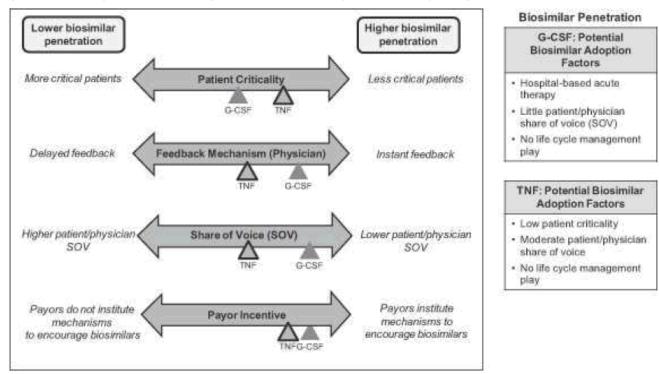


Figure 4: We See a Significant Wave of Biologic Products That Are Losing Patent Exclusivity Through 2020

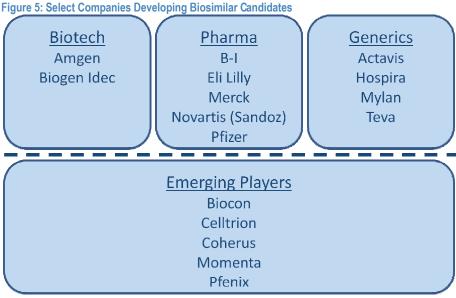
Source: Company reports.

- 1.) Patient criticality: less acute conditions likely more open to biosimilar usage. We believe that the severity of the patient's condition will affect biosimilar adoption, with doctors less likely to prescribe biosimilars to patients with critical conditions (i.e., oncology medications). Coherus is initially targeting anti-inflammatory medications, which are used chronically for debilitating but not critical diseases, and a G-CSF, which is used to stimulate the production of neutrophils to fight infection in patients undergoing chemotherapy.
- 2.) Rapidly of feedback also represents a driver of uptake. Doctors are more likely to prescribe biosimilars if there is rapid feedback as to the safety and efficacy of the drug, in our view. With rapid patient responses, physicians are able to quickly evaluate if a product is performing as expected.
- 3.) Products with more payer influence should also see faster biosimilar uptake. Payers have clear incentives to move patients to biosimilars given the rising cost of biologics in the market. Along these lines, products with more payer influence will likely see faster biosimilar uptake as compared with products for which the physician is given significant discretion in product selection.
- **4.) Size of end market.** Over the past few years, we have seen payers focus attention on the pricing of large, expensive therapeutic categories. At the same time, drugs in smaller categories have generally continued to take significant pricing actions. Along these lines, we see payers more focused

on promoting biosimilars in large, expensive therapeutic areas like inflammatory diseases and oncology.

We See a Range of Companies Targeting the Biosimilar Market

We see a range of companies developing biosimilar candidates including a number of large biopharmas as well as generic pharmas and emerging players, and a number of these players have expressed enthusiasm around the emerging biosimilar market. For example, we would note that Amgen (which is a leading biologics originator and markets Neulasta worldwide and Enbrel in the US) is targeting 5 launches in 2017-19. Amgen management expects that the company's biosimilars program (which targets \$47 billion of worldwide 2013 sales) has the potential to deliver \$3 billion+ in peak annual revenue.



Source: Company reports.

Management Sees Relatively Low Commercialization Costs, but Coherus Is Open to Partnerships

Coherus expects that biosimilars can penetrate the etanercept, adalimumab and pegfilgrastim markets with a modest footprint and with a limited budget. Baxter and Daiichi will be commercializing etanercept, and we estimate that sales and marketing expenses for CHS-1420 would be roughly \$50 million in the US and \$25 million in EU, and expenses for CHS-1701 would be roughly \$20 million in the US and \$15 million in EU.

Over the next 9-12 months, management will be making a decision whether to prepare to commercialize the products alone or to partner CHS-1420 and/or CHS-1701 with marketing deals or through larger strategic deals.



Coherus's Product Portfolio

CHS-0214 (etanercept, Biosimilar Enbrel) Represents the Company's Lead Compound

Coherus's lead molecule, CHS-0214, is a biosimilar etanercept (Enbrel) candidate. Enbrel is a TNF-inhibitor approved for use in treating rheumatoid arthritis, psoriasis, psoriatic arthritis, juvenile idiopathic arthritis and ankylosing spondylitis. In 2013, Enbrel generated ex-US sales of \$3.8 billion.

The company is studying CHS-0214 in two phase III trials, in rheumatoid arthritis and psoriasis, which we believe could represent the basis for regulatory approval in all approved Enbrel indications. We expect these studies to reach their primary endpoints in mid- to late 2015, setting up an early-2016 filing and potential early-2017 launch in Europe. We would note that Amgen has patent protection for US Enbrel through the late 2020s, and we do not model any revenues from CHS-0214 in the US.

CHS-0214 is primarily an ex-US opportunity at this point and is partnered with Baxter and Daiichi

Coherus has partnered Enbrel with Baxter in territories that include the EU, Brazil, Canada and China, and with Daiichi Sankyo in Japan. As a result, Baxter and Daiichi Sankyo will book ex-US revenues on CHS-0214 and will pay a tiered low-double-digit royalty to Coherus.

Figure 6: CHS-0214 Profile

Innovator ex-US Revenues: \$3.8bn in 2013 Innovator patent expiration: \$/15 in Europe

2028-2029 in US

Current progress: Ph. III in RA (started 6/14)

Ph. III in Psoriasis (started 7/14)

Estimated Filing: 2016 in Europe **Estimated Launch:** 2017 in Europe

Competitors: Sandoz (Ph. III in RA completes in 4/15)

Samsung Bioepis (Ph. III in RA primary completion 6/14)

Oncobiologics (Ph. I completes by 4Q/14)

Protalix (Pre-clinical) Momenta (Pre-clinical)

Source: Company reports and J.P. Morgan estimates.

Figure 7: CHS-0214 Timeline

| - <u>- 19 and 11 and 12 and 14 and 15 a</u> | |
|--|---------|
| Event | Timing |
| Additional Phase I PK for Europe | 2H/14 |
| Phase III RA Trial | Ongoing |
| Phase III Psoriasis Trial | Ongoing |
| Europe Filing | 2016 |
| Regulatory Decision | 2017 |

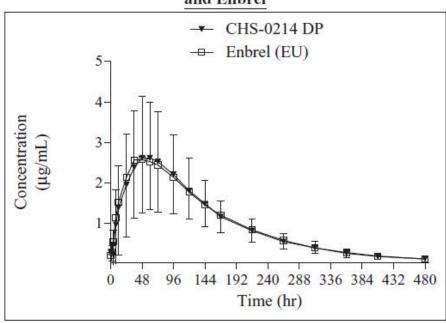
Successful phase I data showed 98% correlation with Enbrel

In October 2013, Coherus announced that its single-dose, crossover phase I PK study for CHS-0214 demonstrated a 98% correlation with Enbrel on clinical PK similarity. The company also collected safety data, which showed that CHS-0214 was well tolerated and adverse events in the CHS-0214 arm were similar to those seen in the Enbrel arm of the study.

Coherus has since moved manufacturing of CHS-0214 from the US to the EU, and as a result is conducting an additional PK trial comparing CHS-0214 with a lot of Enbrel that was manufactured in Europe.

Figure 8: CHS-0214 Phase I PK/PD Data Demonstrated 98% Correlation

Mean Serum Concentration Over Time for CHS-0214 and Enbrel



Source: Company reports.

Ongoing phase IIIs in RA and Psoriasis will provide basis for filing

Coherus is currently conducting two phase III studies of CHS-0214, one in patients with rheumatoid arthritis and one in patients with plaque psoriasis.

The company's phase III study in rheumatoid arthritis studies CHS-0214 in 486 patients who have failed DMARD (disease-modifying antirheumatic drug) therapy. The trial studies CHS-0214 50mg with methotrexate vs. Enbrel 50mg with methotrexate administered weekly over 24 weeks. As in the pivotal trial of Enbrel in rheumatoid arthritis, the trial seeks to show a similar ACR 20 score (20% improvement American College of Rheumatology score) after 24 weeks. After 24 weeks of treatment, all patients will continue on CHS-0214 for 6 months, which will give doctors some insight as to how Enbrel patients would perform after switching to CHS-0214. We expect this trial will reach its primary endpoint in September 2015.

Coherus is also studying CHS-0214 in a phase III trial in psoriasis. This trial compares CHS-0214 50mg with Enbrel 50mg twice weekly for 12 weeks in 424 patients with chronic plaque psoriasis. The study seeks to show that treatment with CHS-0214 generates a similar PASI-75 (% of patients achieving 75% improvement in Psoriasis Area and Severity Index) at 12 weeks as treatment with Enbrel does. Following 12 weeks of treatment, patients continue in their same treatment arms, switching to once-weekly dosing for an additional 40 weeks. We expect this trial will reach its primary endpoint in March 2015.

We expect steady uptake for CHS-0214 beginning in 2017

We anticipate a potential early-2017 launch in Europe for CHS-0214 following an early-2016 filing. From our conversations with physicians, we expect initial biosimilar volume to come mostly from new patient starts on etanercept and forecast that very few patients who are stable on Enbrel will initially switch to a biosimilar. As a result, we are forecasting a more gradual ramp of biosimilar penetration of the etanercept market with 15% of patients on biosimilars in 2018 and 35% of patients on biosimilars by 2022.

We estimate that there will be two other biosimilar participants when Coherus launches the product, and we forecast CHS-0214 will eventually capture roughly 25% of the biosimilar market at a roughly 30% discount to Enbrel. Applying a low-double-digit royalty rate, we calculate that Coherus will see peak royalties of roughly \$30 million from ex-US sales of CHS-0214.

Figure 9: CHS-0214 Royalties Could Reach \$30mm

\$ in thousands

| thousands USD | | | | | | | | | | |
|-----------------------------------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|
| Fiscal year ends December 31 | FY 2016E | FY 2017E | FY 2018E | FY 2019E | FY 2020E | FY 2021E | FY2022E | FY 2023E | FY 2024E | FY 2025E |
| Biosimilar Penetration | | | | | | | | | | |
| Ex-US Patient Population | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 |
| growth | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Biosimilar Penetration | 2.0% | 10.0% | 15.0% | 20.0% | 25.0% | 30.0% | 35.0% | 35.0% | 35.0% | |
| Patients on biosimilar etanercept | 6,228 | 31,142 | 46,713 | 62,283 | 77,854 | 93,425 | 108,996 | 108,996 | 108,996 | 108,996 |
| Biosimilar Market Share | | | | | | | | | | |
| Coherus CHS-0214 | 0.0% | 5.0% | 15.0% | 25.0% | 25.0% | 25.0% | 25.0% | 25.0% | 25.0% | 25.0% |
| Coherus CHS-0214 Revenue | | | | | | | | | | |
| CHS-0214 Patients | - | 1,557 | 7,007 | 15,571 | 19,464 | 23,356 | 27,249 | 27,249 | 27,249 | 27,249 |
| Initial discount to innovator | | 20% | 25% | 30% | 30% | | | | | |
| Pricing | | 10.6 | 10.1 | 9.6 | 9.8 | 9.5 | 9.3 | 9.0 | 8.7 | 8.5 |
| growth | | | -4% | -5% | 2% | -3% | -3% | -3% | -3% | -3% |
| CHS-0214 Revenue | | 16,504 | 71,018 | 150,242 | 191,559 | 222,975 | 252,333 | 244,763 | 237,420 | 230,298 |
| % Royalty to Coherus | | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% |
| Coherus CHS-0214 Royalty Revenue | | 1,980 | 8,522 | 18,029 | 22,987 | 26,757 | 30,280 | 29,372 | 28,490 | 27,636 |
| growth | | | 330% | 112% | 27% | 16% | 13% | -3% | -3% | -3% |

Source: Company reports and J.P. Morgan estimates.

We do not see recent manufacturing issues as an ongoing problem

On October 29, 2014, as part of a routine visual inspection, Coherus discovered small dark particles in four syringes of CHS-0214 from production lot 5. Aside from a temporary delay in the ongoing clinical trials, we do not see this manufacturing issue as an ongoing problem and do not expect any effects on the clinical trial results. The debris was not a result of any instability in the pharmaceutical and was likely from a new pump in the process equipment used in the filling of lot 5 syringes. Coherus has visually inspected the remainder of lot 5 as well as all of lot 6 and has not discovered any debris in approximately 8,000 syringes that were inspected. There were no adverse effects reported with the use of product from lot 5.



As a result of a temporary delay in the enrollment and dosing of the clinical trials, the studies have been delayed by approximately 2 months. We do not expect any effects on the clinical trial results.

CHS-1420 (adalimumab, Biosimilar Humira) Represents **Coherus's Key Value Driver**

Coherus plans to move CHS-1420, its biosimilar adalimumab (Humira) candidate, into phase III development in 2015. Humira is a TNF-inhibitor approved for the treatment of rheumatoid arthritis, psoriasis, psoriatic arthritis, juvenile idiopathic arthritis, ankylosing spondylitis, Crohn's disease, ulcerative colitis, and Behcet's disease, amongst other indications. In 2013, Humira generated sales of \$5.2 billion in the US and sales of \$5.4 billion ex-US, and the product continues to generate midteens sales growth. Humira loses patent protection in the US in December 2016 and in Europe in April 2018. We expect the Humira market to grow significantly over the next several years, driven by volume growth from increased penetration and new indications, as well as significant price increases. As a result, we forecast AbbVie Humira sales of \$16.8 billion in 2018.

Coherus plans to initiate a phase III trial of CHS-1420 in the first half of 2015, which we believe could represent the basis for regulatory approval in all approved Humira indications. We expect this trial to represent the basis for an FDA filing in 2016, supporting a potential 2017 US launch of CHS-1420, and an EMA filing in 2017, supporting a potential 2018 EU launch.

Figure 10: CHS-1420 Profile

\$5.2bn in 2013 **Innovator US Revenues:** Innovator ex-US Revenues: \$5.4bn in 2013 Innovator patent expiration: 2016 in US 2018 in Europe

Current progress: Ph. I PK/PD Completed

Ph. III start planned for 1H/15

Estimated Filing: 2016 in US

2017 in Europe

Estimated Launch: 2017 in US

2018 in Europe

Competitors: Actavis/Amgen (Ph. III in RA started 9/13, Ph. III in plaque psoriasis started 3/14)

Sandoz (Ph. III in psoriasis started 12/13)

BI (Ph. III in RA started 5/14)

Samsung Bioepis (Ph. III in RA primary completion 5/15)

Pfizer (Ph. I as of 2/14)

Momenta (Pre-clinical, Ph. I to start late '14)

Source: Company reports and J.P. Morgan estimates.

Figure 11: CHS-1420 Timeline

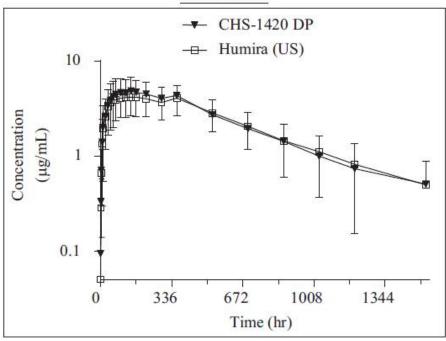
| Event | Timing |
|----------------------------|--------|
| Phase III Start | 1H/15 |
| US Filing | 2016 |
| Europe Filing | 2017 |
| US Regulatory Decision | 2017 |
| Europe Regulatory Decision | 2018 |

Phase I trial met all PK similarity endpoints

In August 2014, Coherus announced that its single-dose phase I PK study for CHS-1420 met all PK similarity endpoints when compared with Humira and demonstrated bioequivalence between the two molecules. Coherus also collected safety data that showed that both CHS-1420 and Humira were well tolerated.

Figure 12: CHS-1420 Phase I PK/PD Data Demonstrated Bioequivalence to Humira





Source: Company reports.

Expected commercial uptake

We anticipate a 2016 filing and potential 2017 launch of CHS-1420 in the US and a 2017 filing and potential 2018 launch of the product in Europe. As with biosimilar etanercept, we expect initial biosimilar adalimumab volume to come mostly from new patient starts on adalimumab rather than from patients switching from Humira therapy. As a result, we are forecasting a gradual ramp of biosimilar penetration of the adalimumab market with biosimilars accounting for 15% of US adalimumab volume in 2020 and ultimately growing to 25% of the US market, and accounting for 12% of ex-US adalimumab volume in 2020 and ultimately growing to 35% of the ex-US market. We note that we do not model any potential cannibalization of patients that would have been prescribed Enbrel, and any such penetration would represent upside to our model.

We estimate that there will be 4 players at US market formation and 5 players at EU market formation, and we estimate that CHS-1420 will capture 15% of both markets at a roughly 35% discount to Humira, implying peak sales of roughly \$230 million in the US and \$235 million ex-US.

Figure 13: CHS-1420 Sales Could Reach \$435mm

\$ in thousands

| thousands USD Fiscal year ends December 31 | FY 2016E | FY 2017E | FY 2018F | FY 2019F | FY 2020F | FY 2021E | FY2022F | FY 2023F | FY 2024E | FY 2025E |
|---|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|
| US Biosimilar Penetration | | | 0.0_ | | | | | | | |
| US Patient Population | 246.108 | 251.030 | 256.051 | 261.172 | 266.395 | 271.723 | 277.157 | 282,700 | 288.354 | 294.122 |
| growth | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | , | 29 |
| Biosimilar Penetration | 0.0% | 2.0% | 5.0% | 10.0% | 15.0% | | 25.0% | 25.0% | | 25.0% |
| Patients on biosimilar adalimumab | - | 5,021 | 12,803 | 26,117 | 39,959 | 54,345 | 69,289 | 70,675 | 72,089 | 73,530 |
| US Biosimilar Market Share | | | | | | | | | | |
| Coherus CHS-1420 | 0.0% | 5.0% | 12.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% |
| Coherus CHS-1420 US Revenue | | | | | | | | | | |
| CHS-1420 Patients | - | 251 | 1,536 | 3,918 | 5,994 | 8,152 | 10,393 | 10,601 | 10,813 | 11,030 |
| Initial discount to innovator | | 25% | 30% | 35% | 35% | | | | | |
| Pricing | | 25.0 | 24.5 | 23.9 | 24.4 | 23.2 | 22.0 | 20.9 | 19.9 | 18.9 |
| growth | | | -2% | -2% | 2% | -5% | -5% | -5% | | -5% |
| Coherus CHS-1420 US Revenu€ | | 6,285 | 37,696 | 93,722 | 146,263 | 188,972 | 228,892 | 221,796 | 214,921 | 208,258 |
| growth | | | 500% | 149% | 56% | 29% | 21% | -3% | -3% | -3% |
| ex-US Biosimilar Penetration | | | | | | | | | | |
| ex-US Patient Population | 485,240 | 485,240 | 485,240 | 485,240 | 485,240 | 485,240 | 485,240 | 485,240 | 485,240 | 485,240 |
| growth | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 09 |
| Biosimilar Penetration | 0.0% | 0.0% | 2.0% | 5.0% | 12.0% | 18.0% | 22.0% | 25.0% | 32.0% | 35.0% |
| Patients on biosimilar adalimumab | - | - | 9,705 | 24,262 | 58,229 | 87,343 | 106,753 | 121,310 | 155,277 | 169,834 |
| ex-US Biosimilar Market Share | | | | | | | | | | |
| Coherus CHS-1420 | 0.0% | 0.0% | 5.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% |
| Coherus CHS-1420 ex-US Revenue | | | | | | | | | | |
| CHS-1420 Patients | - | - | 485 | 3,639 | 8,734 | 13,101 | 16,013 | 18,196 | 23,292 | 25,475 |
| Initial discount to innovator | | 28% | 30% | 35% | 35% | | | | | |
| Pricing | | 11.1 | 11.3 | 11.0 | 11.5 | 10.9 | 10.4 | 9.9 | 9.4 | 8.9 |
| growth | | | 1% | -2% | 5% | -5% | -5% | -5% | | -5% |
| Coherus CHS-1420 ex-US Revenue | | - | 5,462 | 39,943 | 100,656 | 143,434 | 166,543 | 179,791 | 218,626 | 227,166 |
| growth | | | | 631% | 152% | 43% | 16% | 8% | 22% | 4% |
| Total CHS-1420 Revenue | | 6.285 | 43,158 | 133,665 | 246,919 | 332,406 | 395,435 | 401,587 | 433,546 | 435,424 |

Source: Company reports and J.P. Morgan estimates.

CHS-1701 (pegfilgrastim, Biosimilar Neulasta) Also Represents an Attractive Opportunity for Coherus

CHS-1701 is Coherus's biosimilar pegfilgrastim (Neulasta) candidate. Neulasta is a long-acting G-CSF (granulocyte colony-stimulating factor) used to prevent chemotherapy-induced febrile neutropenia in cancer patients. The G-CSF stimulates the bone marrow to produce granulocytes and stem cells that increase the level of neutrophils. In 2013, Neulasta generated sales of \$3.5 billion in the US and sales of \$900 million ex-US. Neulasta loses patent protection in the US in October 2015 and in Europe in February 2018.

Coherus conducted a phase I PK crossover study comparing a single 6mg dose of CHS-1701 with Neulasta. While this study did not meet its bioequivalence endpoints under the 351(k), the FDA has indicated that Coherus can initiate a phase III study of CHS-1701 under the 351(a) novel biologic pathway.

However, Coherus has informed the FDA that the company plans to continue to develop CHS-1701 under the 351(k) biosimilar pathway, which would allow Coherus to potentially file the product in 4Q 2015 or 1Q 2016 in the US and potentially launch CHS-1701 in late 2016 or early 2017.

J.P.Morgan

Figure 14: CHS-1701 Profile

Innovator US Revenues: \$3.5bn in 2013
Innovator ex-US Revenues: \$900mm in 2013
Innovator patent expiration: 10/15 in US

2/18 in Europe

Current progress: Ph. I PK/PD Completed

Transitioning to 351(k) pathway

BLA-enabling trial start planned for 1H/15

Estimated Filing: Late 2015/Early 2016 in US

Early 2017 in Europe

Estimated Launch: Late 2016/Early 2017 in US

Early 2018 in Europe

Competitors: Sandoz (Ph. IIIs completed in 4/14)

Teva (Lonquez - lipegfilgrastim - approved in EU)

Apotex Hospira Biocon/Mylan

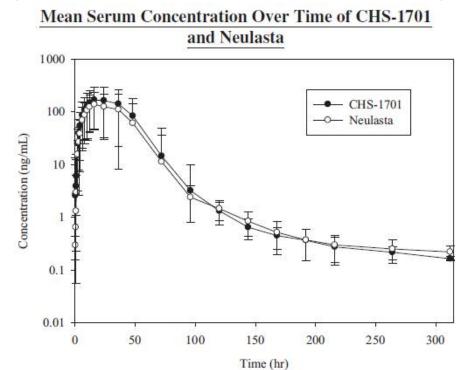
Source: Company reports and J.P. Morgan estimates.

Figure 15: CHS-1701 Timeline

| Event | Timing |
|--------------------------------|----------------------|
| FDA Response to 351(k) pathway | Nov 2014 |
| BLA-Enabling Trial Start | 1H/15 |
| US Filing | Late 2015/Early 2016 |
| US Regulatory Decision | Late 2016/Early 2017 |
| Europe Filing | Early 2017 |
| Europe Regulator Decision | Early 2018 |

Serum concentration of CHS-1701 was high in first phase I PK/PD trial

Figure 16: CHS-1701 Phase I PK/PD Curve Overlaps with Neulasta, but Concentration Was High

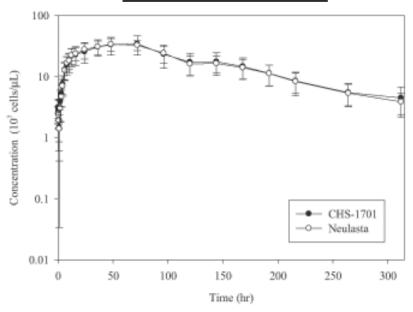


Source: Company reports.

Coherus has conducted a phase I PK/PD crossover trial comparing a single 6mg dose of CHS-1701 with Neulasta. Although the study would have supported a phase III under the 351(a) pathway, the study did not meet the bioequivalence requirements under the 351(k) pathway in that the study's geometric mean values for serum CHS-1701 concentration were slightly above the 125% upper limit on all three variables: C_{max} , $AUC_{0 \rightarrow \infty}$.

Figure 17: CHS-1701 Demonstrated Mean ANC Comparable with That of Neulasta

Mean Absolute Neutrophil Count (ANC) Over Time after single dose of CHS-1701 or Neulasta



Source: Company reports. However, the study did demonstrate that the absolute neutrophil count (ANC) was comparable with that observed in Neulasta. A post-hoc analysis showed that ANC would have met the bioequivalence criteria. Safety was similar between CHS-1701 and Neulasta.

Coherus plans to file CHS-1701 through 351(k), will initiate second PK/PD trial

Coherus has announced that it is now seeking to file CHS-1701 through the 351(k) biosimilar pathway instead of through the 351(a) pathway as originally planned. The company met with the FDA in October, and expects to finalize a clinical plan by the end of 2014. While it remains unclear whether filing CHS-1701 through the 351(k) will require a second PK/PD trial to definitely show bioequivalence, Coherus remains committed to initiating a BLA-enabling study in 2015. We expect Coherus to file CHS-1701 through the 351(k) pathway in 4Q 2015 or early 2016, setting up a potential late-2016 or early-2017 US launch of the product.

Expected commercial uptake

We anticipate a potential late-2016 or early-2017 launch of CHS-017 in the US, and an early-2017 filing and potential early-2018 launch of the product in the EU. Given the hospital setting of the drug and the quick response nature of the treatment, we expect biosimilars to capture significant share. In the US, we forecast that biosimilars will capture 40% of the US pegfilgrastim market. We expect 5 players at market formation and expect Coherus to capture a roughly 12% share with a roughly 25% discount to Neulasta, implying peak sales of roughly \$200 million.

Outside of the US, we see biosimilars capturing 55% of the pegfilgrastim market. We would note that biosimilars of filgrastim (Neupogen, a short-acting G-CSF) have captured a roughly 52% share of the short-acting G-CSF market and 77% share of the filgrastim market within 5 years of launch. We expect 5 players at market

formation and expect Coherus to capture a roughly 15% share at a roughly 35% discount to Neulasta, implying peak sales of roughly \$50 million. Assuming that Coherus partners this product ex-US, we assume Coherus receives peak royalties of roughly \$25 million.

Figure 18: CHS-1701 Revenues Could Reach \$228mm

\$ in thousands

| thousands USD Fiscal year ends December 31 | FY 2016E | FY 2017E | FY 2018E | FY 2019E | FY 2020E | FY 2021E | FY2022E | FY 2023E | FY 2024E | FY 2025E |
|---|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|
| US Biosimilar Penetration | | | | | | | | | | |
| US Patient Population | 498,709 | 503,697 | 508,734 | 513,821 | 518,959 | 524,149 | 529,390 | 534,684 | 540,031 | 545,43 |
| Biosimilar Penetration | 5.0% | 15.0% | 20.0% | 30.0% | 35.0% | 40.0% | 40.0% | 40.0% | 40.0% | 40.0 |
| US Patients on biosimilar pegfilgrastim | 24,935 | 75,554 | 101,747 | 154,146 | 181,636 | 209,659 | 211,756 | 213,874 | 216,012 | 218,17 |
| US Biosimilar Market Share | | | | | | | | | | |
| Coherus CHS-1701 | 0.0% | 5.0% | 10.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0 |
| Coherus Revenue | | | | | | | | | | |
| US CHS-1701 Patients | - | 3,778 | 10,175 | 18,498 | 21,796 | 25,159 | 25,411 | 25,665 | 25,921 | 26,18 |
| Initial discount to innovator | | 15% | 20% | 25% | 25% | 25% | 25% | | | 25 |
| US Pricing | | 6.9 | 6.7 | 6.5 | 6.7 | 6.9 | 7.1 | 7.3 | 7.5 | 7. |
| growth | | | -3% | -3% | 3% | 3% | 3% | 3% | 3% | 3 |
| US CHS-1701 Revenue | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,84 |
| % Royalty to Coherus | | 100% | 100% | 100% | 100% | 100% | 100% | | 100% | 100 |
| Coherus US CHS-1701 Royalty Revenue | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,84 |
| growth | | | | 76% | 21% | 19% | 4% | 4% | 4% | 4 |
| | | | | | | | | | | |
| ex-US Biosimilar Penetration | | | | | | | | | | |
| ex-US Patient Population | 191,504 | 193,419 | 195,354 | 197,307 | 199,280 | 201,273 | 203,286 | 205,319 | 207,372 | 209,44 |
| Biosimilar Penetration | 5.0% | 10.0% | 20.0% | | 35.0% | 40.0% | 45.0% | | | 55.0 |
| ex-US Patients on biosimilar pegfilgrastim | 9,575 | 19,342 | 39,071 | 59,192 | 69,748 | 80,509 | 91,479 | 102,659 | 114,055 | 115,19 |
| ex-US Biosimilar Market Share | | | | | | | | | | |
| Coherus CHS-1701 | 0.0% | 0.0% | 5.0% | 12.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0 |
| | | | | | | | | | | |
| Coherus Revenue | | | | | 10.100 | | | | | |
| ex-US CHS-1701 Patients | - | - | 1,954 | 7,103 | 10,462 | 12,076 | 13,722 | 15,399 | 17,108 | 17,27 |
| Initial discount to innovator | | 20% | 25% | 30% | 35% | 35% | 35% | 35% | | 35 |
| ex-US Pricing | | 3.9 | 3.7 | 3.4 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3. |
| growth | | | -6% | -7% | -7% | 0% | 0% | 0% | 0% | 0 |
| ex-US CHS-1701 Revenue | | - | 7,150 | 24,264 | 33,186 | 38,306 | 43,526 | 48,845 | 54,267 | 54,81 |
| % Royalty to Coherus | | 50% | 50% | 50% | 50% | 50% | 50% | 50% | 50% | 50 |
| Coherus ex-US CHS-1701 Royalty Revenue | | - | 3,575 | 12,132 | 16,593 | 19,153 | 21,763 | 24,423 | 27,134 | 27,40 |
| growth | | | | 239% | 37% | 15% | 14% | 12% | 11% | 1 |
| 0.1 | | 00.050 | 74.040 | 404 500 | 404 550 | 404 405 | 004.050 | 040.005 | 204 420 | 000.05 |
| Coherus Total CHS-1701 Revenue | | 26,058 | 71,610 | 131,568 | 161,550 | 191,495 | 201,050 | 210,935 | 221,162 | 229,2 |

Source: Company reports and J.P. Morgan estimates.

Highly Experienced Management Team

Coherus's management team, led by CEO Dennis Lanfear, brings considerable experience in biologics development and manufacturing, which we believe significantly enhances the potential for successful biosimilar approval and commercialization.

Dennis M. Lanfear, President and CEO

Dennis Lanfear co-founded Coherus in 2010, and serves as the company's President and CEO as well as a member of the board. Previously, Lanfear was the President of InteKrin, a clinical-stage biopharma, and has held key leadership positions in process development and product development (from pre-clinical through phase III) at Amgen.

Jean-Frédéric Viret, Ph.D., CFO

Jean-Frédéric Viret joined Coherus as the CFO in September 2014. Previously, he served as CFO at diaDexus and XDx, Inc. (now CareDx, Inc.), as well as Anesiva (previously Corgentech), a public biopharma.

Barbara K. Finck, M.D., Chief Medical Officer

Barbara Finck has served as Coherus's CMO since July 2013 and previously served as a Senior Vice President at the company from July 2012 to July 2013. Before joining Coherus, she served as the SVP and Chief Medical Officer of NKT Therapeutics from June 2007 to June 2010, and as SVP of Research and Development and Chief Medical Officer of Osprey Pharmaceuticals.

We would note that Dr. Finck was closely involved in developing etanercept (Enbrel) at Immunex (which was later acquired by Amgen). As a named inventor on several U.S. patents related to the molecule, she is particularly qualified in developing biosimilar anti-TNF agents, in our view.

Alan C. Herman, Ph.D., Chief Scientific Officer

Alan Herman joined Coherus as the company's Chief Scientific Officer in April 2011. Previously, he founded and served as CEO of WindRose Analytica, Inc., a contract analytical laboratory, which was acquired by Althea Technologies, at which he served as Chief Scientific Officer and VP of Product Development. Before WindRose, Dr. Herman started Amgen's analytical research and development department, where he worked from 1989 to 2009. He also has experience at Genentech and Merck, at which he worked on the development of a range of biopharmaceutical products including human growth hormone, tissue plasminogen activator, interferon, and a recombinant hepatitis B vaccine.

Peter K. Watler, Ph.D., Chief Technical Officer

Peter Watler has served as Coherus's Chief Technical Officer since June 2014, and was previously the company's SVP of process sciences since March 2012. He joined Coherus from Hyde Engineering Consulting, a global process system design organization. Dr. Watler has previous process engineering experience at VaxGen, at which he served as the VP of Manufacturing Operations, and at Amgen, where he served as the Associate Director of Pilot Plant Engineering.

Valuation

Using a risk-adjusted DCF analysis, we arrive at a December 2015 price target of \$20. We assume that Baxter launches CHS-0214 in Europe in 2017 and that Coherus launches CHS-1420 in the US in 2017 and in Europe in 2018 and CHS-1701 in the US in 2017 and in Europe in 2018. We see potential upside from our current valuation should biosimilar penetration exceed our expectations and/or if Coherus is able to capture more market share than expected.

DCF Analysis Supports a Risk-Adjusted \$20/Share Valuation

Our discounted cash flow (DCF) analysis leads us to a valuation of \$20/share for Coherus by the end of 2015 assuming continued progress towards regulatory filings in the US and EU. We assume that Baxter launches CHS-0214 in Europe in 2017 and that Coherus launches CHS-1420 in the US in 2017 and in Europe in 2018 and CHS-1701 in the US in 2017 and in Europe in 2018.

We estimate a weighted average cost of capital (WACC) of 11%, which is consistent with WACC estimates for companies of Coherus's size and development stage due to the risk of the company's business model relative to more established branded pharma companies with commercialized products. We use a terminal decline of 1% past 2030. We also risk adjust our enterprise value with an 80% probability of success.

Catalysts

Figure 19: Upcoming CHRS Catalysts

| Timing | Product | Event |
|------------|----------|---|
| Ongoing | CHS-0214 | Phase III in RA |
| Ongoing | CHS-0214 | Phase III in Psoriasis |
| Ongoing | | Ongoing Amgen/Sandoz Litigation |
| Ongoing | | Other EU biosimilar launches |
| Late 2014 | CHS-1701 | FDA Response to 351(k) pathway, finalize development plans |
| Early 2015 | CHS-1420 | Disclosure of filing strategy |
| 1H15 | CHS-1420 | Phase III Start |
| 2015 | CHS-1701 | BLA-enabling Trial Start |
| 2015 | | Exploring commercialization strategy/potential partnerships |
| 4Q15/1Q16 | CHS-1701 | US Filing |
| 1H16 | CHS-0214 | EU Filing |
| 2016 | CHS-1420 | US Filing |
| 4Q16/1Q17 | CHS-1701 | Potential US Launch |
| Early 2017 | CHS-1701 | Potential EU Launch |
| 1H17 | CHS-0214 | EU Filing |
| 2017 | CHS-1420 | Potential US Launch |
| 2017 | CHS-1420 | EU Filing |
| Early 2018 | CHS-1701 | Potential EU Launch |
| 2018 | CHS-1420 | Potential EU Launch |

Source: Company reports.

Figure 20: Coherus DCF Valuation

\$ in thousands

| thousands USD | 20 | 15E | 2016E | 2017E | 2018E | 2019E | 2020E | 2021E | 2022E | 2023E | 2024E | 2025E | 2026E | 2027E | 2028E | 2029E | 2030E | Terminal |
|--|--------|---------|----------|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| Pipeline products | | | | | | | | | | | | | | | | | | |
| Ex-US etanercept | | - | - | 1,557 | 7,007 | 15,571 | 19,464 | 23,356 | 27,249 | 27,249 | 27,249 | 27,249 | 27,249 | 27,249 | 26,704 | 26,170 | 25,647 | |
| growth | | | | | 350% | 122% | 25% | 20% | 17% | 0% | 0% | 0% | 0% | 0% | -2% | -2% | -2% | |
| US pegfilgrastim | [| - | - | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,848 | 197,811 | 193,855 | 189,978 | 186,178 | 182,455 | |
| growth | | | | | 161% | 76% | 21% | 19% | 4% | 4% | 4% | 4% | -2% | -2% | -2% | -2% | -2% | |
| Ex-US pegfilgrastim | | - | - | - | 3,575 | 12,132 | 16,593 | 19,153 | 21,763 | 24,423 | 27,134 | 27,405 | 27,405 | 27,405 | 26,857 | 26,320 | 25,793 | |
| growth | | | | | #DIV/0! | 239% | 37% | 15% | 14% | 12% | 11% | 1% | 0% | 0% | -2% | -2% | -2% | |
| US adalimumab | | - | - | 6,285 | 37,696 | 93,722 | 146,263 | 188,972 | 228,892 | 221,796 | 214,921 | 208,258 | 202,010 | 195,950 | 190,072 | 184,370 | 178,838 | |
| growth | | | | | 500% | 149% | 56% | 29% | 21% | -3% | -3% | -3% | -3% | -3% | -3% | -3% | -3% | |
| Ex-US adalimumab | | - | - | - | 5,462 | 39,943 | 100,656 | 143,434 | 166,543 | 179,791 | 218,626 | 227,166 | 231,709 | 236,343 | 236,343 | 236,343 | 236,343 | |
| growth | | | | | | 631% | 152% | 43% | 16% | 8% | 22% | 4% | 2% | 2% | 0% | 0% | 0% | |
| Unnamed Asset 1 (probability adjusted) | | - | - | - | - | 5,000 | 25,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | |
| growth | | | | | | | 400% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | |
| Unnamed Asset 2 (probability adjusted) | | - | - | - | _ | - | - | 5,000 | 25,000 | 50,000 | 50,000 | 50.000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | |
| growth | | | | | | | | -, | 400% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | |
| Unnamed Asset 3 (probability adjusted) | | - | _ | _ | _ | _ | _ | _ | - | 5,000 | 25,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | |
| arowth | | | | | | | | | | -, | 400% | 100% | 0% | 0% | 0% | 0% | 0% | |
| Unnamed Asset 4 (probability adjusted) | [| - | _ | _ | - | - | - | - | _ | - | - | 5,000 | 25,000 | 50,000 | 50,000 | 50,000 | 50,000 | |
| growth | [| | | | | | | | | | | -,0 | 400% | 100% | 0% | 0% | 0% | |
| Total Pipeline Revenue | | | - | 33.900 | 121,775 | 285.804 | 452.932 | 602.257 | 698.734 | 744,771 | 806.958 | 846,926 | 861,184 | 880.802 | 869.953 | 859.380 | 849,076 | |
| growth | | | | , | 259% | 135% | 58% | 33% | 16% | 7% | 8% | 5% | 2% | 2% | -1% | -1% | -1% | |
| Total Collaboration & License Revenue | | 2.500 | 52.500 | 27.500 | 2.500 | 2.500 | 2,500 | - | - | - | - | - | - | - | - | - | - | |
| Total Revenue | | 2,500 | 52,500 | 61,400 | 124,275 | 288,304 | 455,432 | 602,257 | 698,734 | 744,771 | 806,958 | 846,926 | 861,184 | 880,802 | 869,953 | 859,380 | 849,076 | |
| growth | | -93% | 2000% | 17% | 102% | 132% | 58% | 32% | 16% | 7% | 8% | 5% | 2% | 2% | -1% | -1% | -1% | |
| Margins | | | | , | , | | | | | | | -,- | | | .,, | | .,, | |
| Gross margin | | | | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | |
| R&D | | | | 265% | 82% | 35% | 28% | 28% | 25% | 22% | 20% | 20% | | | 20% | 20% | 20% | |
| SG&A | | | | | | | | | | | | | 20% | 20% | | | | |
| | | | | 324% | 103% | 52% | 39% | 35% | 32% | 30% | 29% | 27% | 27% | 27% | 26% | 26% | 25% | |
| Operating expenses | | | | 590% | 185% | 87% | 66% | 63% | 57% | 52% | 49% | 47% | 47% | 47% | 46% | 46% | 45% | |
| EBIT margin | | | | -424% | -98% | -2% | 19% | 22% | 28% | 33% | 36% | 38% | 38% | 38% | 39% | 39% | 40% | |
| P&L/Cash Flow | | | | | | | | | | | | | | | | | | |
| COGS | | | | 5,085 | 18,266 | 42,871 | 67,940 | 90,339 | 104,810 | 111,716 | 121,044 | 127,039 | 129,178 | 132,120 | 130,493 | 128,907 | 127,361 | |
| Gross profit | | 2,500 | 52,500 | 56,315 | 106,009 | 245,433 | 387,492 | 511,918 | 593,924 | 633,055 | 685,914 | 719,887 | 732,007 | 748,682 | 739,460 | 730,473 | 721,715 | |
| R&D | 8 | 80,000 | 90,000 | 90,000 | 100,000 | 100,000 | 125,000 | 168,632 | 174,683 | 163,850 | 161,392 | 169,385 | 172,237 | 176,160 | 173,991 | 171,876 | 169,815 | |
| SG&A | 1 2 | 20.000 | 50.000 | 110,000 | 125,000 | 150.000 | 175,000 | 210,790 | 223.595 | 223,431 | 234.018 | 228,670 | 232,520 | 237.817 | 226,188 | 223,439 | 212,269 | |
| Operating expenses | | 00,000 | 140,000 | 200,000 | 225,000 | 250,000 | 300,000 | 379,422 | 398,278 | 387,281 | 395,409 | 398,055 | 404,757 | 413,977 | 400,179 | 395,315 | 382,084 | |
| EBIT | | 97,500) | (87,500) | (143,685) | (118,991) | (4,567) | 87,492 | 132,497 | 195,645 | 245,774 | 290,505 | 321,832 | 327,250 | 334,705 | 339,282 | 335,158 | 339,630 | |
| Tax rate | '' | 0% | 0% | 0% | 0% | 0% | 07,432 | 5% | 10% | 20% | 35% | 35% | 35% | 35% | 35% | 353,150 | 35% | |
| Tax | [| - 0 /0 | - 0 /0 | - 0 /0 | - 0 76 | | - 0 76 | (6,625) | (19,565) | (49,155) | (101,677) | (112,641) | (114,538) | (117,147) | (118,749) | (117,305) | (118,871) | |
| D&A | | | = | = | = | - | _ | (0,020) | (10,000) | (40,100) | (101,077) | (112,041) | (114,550) | (117,147) | (110,740) | (117,303) | (110,071) | |
| Acquisitions/capex | | _ | | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | |
| Change in NWC | [| 900 | (4.905) | (4.928) | (10.479) | (25.289) | (15.107) | (16.214) | (9.666) | (3.982) | (7.486) | (3.996) | - | - | - | - | - | |
| Free Cash Flow | | 96.600) | (92.405) | (148.613) | (129.470) | (25,269) | 72.385 | 109.658 | 166.414 | 192.637 | 181.342 | 205.194 | 212.713 | 217.558 | 220.533 | 217.853 | 220,760 | |
| | (3 | 90,000) | (34,405) | (140,613) | (120,470) | (23,036) | 12,305 | 103,030 | 100,414 | 194,037 | 101,342 | 200,194 | 414,/13 | 411,550 | 220,533 | 411,000 | 220,760 | |
| PV Analysis | | | | | | | | | | | | | | | | | | |
| Year | [| - | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| PV factor | | 1.00 | 1.11 | 1.23 | 1.37 | 1.52 | 1.69 | 1.87 | 2.08 | 2.30 | 2.56 | 2.84 | 3.15 | 3.50 | 3.88 | 4.31 | 4.78 | 5.31 |
| PV of FCF | 9) | 96,600) | (83,248) | (120,618) | (94,668) | (19,667) | 42,957 | 58,627 | 80,155 | 83,590 | 70,891 | 72,266 | 67,490 | 62,187 | 56,790 | 50,541 | 46,140 | 380,653 |
| DCF | | | | | | | | | · <u></u> | · <u></u> | | | | | | | | |
| WACC | 11% | | | | | | | | | | | | | | | | | |
| Terminal growth rate | -1% | | | | | | | | | | | | | | | | | |
| | 76,835 | | | | | | | | | | | | | | | | | |
| | 30,653 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| PV of FCF 65 | 57.487 | | | | | | | | | | | | | | | | | |

PV of estimate periods (now-2030) 276,835
Terminal PV 330,653
PV of FCF 657,487
Probability of Success 75%
Less: net debt (168,683)
Equity value 661,799
2015 YE Shares Outstanding 32,704
Price per share 20.24

Figure 21: Coherus P&L 2012-2025E

\$ in thousands

| Page | \$ in thousands | | | | | | _ | | | | | | | | |
|--|---|----------|----------|-----------|----------|-----------|-----------|-----------|----------|----------|----------|---------|----------|----------|----------|
| Separate | thousands USD | EV 00404 | EV 0040A | EV 004.4E | EV 0045E | EV 0040E | EV 0047E | EV 0040E | EV 0040E | EV 0000E | EV 0004E | EVANAGE | EV 0000E | EV 0004E | EV 000EE |
| Ex-US pendignasism | | FY 2012A | FY 2013A | FY 2014E | FY 2015E | FY 2016E | FY 2017E | FY 2018E | FY 2019E | FY 2020E | FY 2021E | FY2022E | FY 2023E | FY 2024E | FY 2025E |
| | | | | | | | 1 557 | 7 007 | 15 571 | 10.464 | 22.256 | 27 240 | 27 240 | 27 240 | 27 240 |
| Ex-LS perful prate in | | - | - | | | | | | | | | | | | |
| Saddimmals | | - | - | - | - | | 20,056 | | | | | | | | |
| EX US addishumab | | - | - | - | - | | - | | | | | | | | |
| Total New Pipeline Biosmillar Assets | | - | - | - | | | | | | | | | | | |
| Collaboration and license revenue - Dailchi 1,899 2,255 2,225 2,207 2,500 | | - | - | - | | | | | | | | | | | |
| Collaboration and license revenue - Dalichi 1,899 2,025 2,027 2,000 2,500 | • | l—— | | | | | | | | | | - | | | |
| Collaboration and license revenue - Baxter 1,89 | | - | - | | | | | | | | 602,257 | 698,734 | 744,771 | 806,958 | 846,926 |
| Collaboration and license revenue - pegfigrasism 1,899 2,751 34,575 2,500 52,500 61,400 124,275 288,304 455,432 602,257 688,734 744,771 509,698 846,325 2010 dropods sold 1,899 2,751 34,575 2,500 52,500 56,151 106,009 245,330 504,810 111,716 121,044 127,039 700 700,0 | | 1,899 | | | 2,500 | | | 2,500 | 2,500 | 2,500 | - | - | - | - | - |
| Total revenue 1,899 2,751 34,575 2,500 52,500 52,500 5,505 1,606,009 245,433 387,492 511,918 533,224 533,655 685,914 111,716 533,224 533,655 685,914 112,044 127,039 114,865 115,992 2,000 110,000 10 | | - | | 32,548 | - | 50,000 | 25,000 | - | - | - | - | - | - | - | - |
| Cast of goods solid | Collaboration and license revenue - pegfilgrastim | <u> </u> | | | | | | | | | | | | | |
| Tross profit 1,899 2,751 34,875 34,875 34,875 34,875 34,875 35,824 35,824 36,835 36,83 | Total revenue | 1,899 | 2,751 | 34,575 | 2,500 | 52,500 | 61,400 | 124,275 | 288,304 | 455,432 | 602,257 | 698,734 | 744,771 | 806,958 | 846,926 |
| SGBA | Cost of goods sold | - | - | - | - | - | 5,085 | 18,266 | 42,871 | 67,940 | 90,339 | 104,810 | 111,716 | 121,044 | 127,039 |
| SGSA 5.531 7.465 15.399 20.000 75.000 110.000 125.000 150.000 175.000 210.790 223.955 223.431 224.018 228.670 225.000 255.0000 255.0000 255.000 255.0000 255.0000 255.0000 255.0000 255.0000 255.000 | Gross profit | 1,899 | 2,751 | 34,575 | 2,500 | 52,500 | 56,315 | 106,009 | 245,433 | 387,492 | 511,918 | 593,924 | 633,055 | 685,914 | 719,887 |
| SGSA 5.531 7.465 15.399 20.000 75.000 110.000 125.000 150.000 175.000 210.790 223.955 223.431 224.018 228.670 225.000 255.0000 255.0000 255.000 255.0000 255.0000 255.0000 255.0000 255.0000 255.000 | P&D | 24 006 | 21 270 | 72 061 | 90,000 | 00,000 | 00.000 | 100.000 | 100,000 | 125,000 | 160 622 | 174 602 | 162 050 | 161 202 | 160 205 |
| Total operating expense Ad, 417 33,744 88,260 100,000 165,000 200,000 225,000 300,000 379,422 398,278 387,281 395,409 398,055 (110,000) (110,0 | | | | , | , | | | | | | | | | | |
| 18,549 35,993 (35,895 (35,993 (35,895 (37,500 (112,500 (118,991 (4,567 87,492 132,497 195,645 245,774 290,505 321,832 (118,991 (118 | | | | | | | | | | | | | | | |
| Interest income (expense) (1,514) (5,293) (6,899) (1,164) (1,1349 | | | | | | | | | | | | | | | |
| Other income 7,014 (12,349) (14,642) - - - - - - - - - | ` , ' ' ' | 1 ' ' | | , , , | (97,500) | (112,500) | (143,665) | (110,991) | (4,567) | 67,492 | 132,497 | 195,645 | 245,774 | 290,505 | 321,032 |
| Total other income (expense) | ` ' / | | | | - | - | - | - | - | - | - | - | - | - | - |
| Earnings (loss) before tax (EBT) (33,018) (53,635) (75,226) (97,500) (112,500) (113,685) (118,991) (4,567) 87,492 132,497 195,645 245,774 290,505 321,832 10.0me tax (expense) | Other income | 7,014 | | - | | | | | | | | | | | |
| Name | Total other income (expense) | 5,500 | (17,642) | (21,541) | - | - | - | - | - | - | - | - | - | - | - |
| NET INCOME (33,018) (53,635) (75,226) (97,500) (112,500) (143,685) (18,991) (4,567) 87,492 125,872 176,081 196,620 188,828 203,191 196,920 188,828 189 | Earnings (loss) before tax (EBT) | (33,018) | (53,635) | (75,226) | (97,500) | (112,500) | (143,685) | (118,991) | (4,567) | 87,492 | 132,497 | 195,645 | 245,774 | 290,505 | 321,832 |
| PES (9.51) (9.66) (5.62) (2.98) (3.05) (3.32) (2.49) (0.09) 1.73 2.47 3.42 3.79 3.62 3.99 | Income tax (expense) | - | - | - | - | - | - | - | - | - | 6,625 | 19,565 | 49,155 | 101,677 | 112,641 |
| Sasic shares outstanding 3,472 5,554 13,387 32,704 36,838 43,237 47,768 50,096 50,519 50,973 51,428 51,828 52,174 52,480 | NET INCOME | (33,018) | (53,635) | (75,226) | (97,500) | (112,500) | (143,685) | (118,991) | (4,567) | 87,492 | 125,872 | 176,081 | 196,620 | 188,828 | 209,191 |
| Space Spac | EPS | (9.51) | (9.66) | (5.62) | (2.98) | (3.05) | (3.32) | (2.49) | (0.09) | 1.73 | 2.47 | 3.42 | 3.79 | 3.62 | 3.99 |
| Margins | Basic shares outstanding | 3,472 | 5,554 | 13,387 | 32,704 | 36,838 | 43,237 | 47,768 | 50,096 | 50,519 | 50,973 | 51,428 | 51,828 | 52,174 | 52,480 |
| 100% 100% 100% 85% 8 | FD shares outstanding | 3,472 | 5,554 | 13,387 | 32,704 | 36,838 | 43,237 | 47,768 | 50,096 | 50,519 | 50,973 | 51,428 | 51,828 | 52,174 | 52,480 |
| 147% 80% 35% 27% 28% 25% 22% 20% 20% 179% 101% 52% 38% 35% 32% 30% 29% 27% 179% 101% 52% 38% 35% 32% 30% 29% 27% 179% 101% 52% 38% 35% 32% 30% 29% 27% 179% 101% 52% 19% 22% 28% 33% 36% 38% 180% 180% 190% 190% 190% 190% 190% 190% 180% 190% 190% 190% 190% 190% 190% 190% 180% 190% 190% 190% 190% 190% 180% 190% 10% 10% 10% 180% 190% 10% 10% 180% 190% 10% 10% 180% 190% 10% 10% 180% 190% 10% 10% 180% 190% 10% 10% 180% 10% 10% 10% 180% 1 | Margins | 1 | | | | | | | | | | | | | |
| 179% 101% 52% 38% 35% 32% 30% 29% 27% | Gross margin | | | 100% | 100% | 100% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% |
| Compact Comp | R&D | | | | | | 147% | 80% | 35% | 27% | 28% | 25% | 22% | 20% | 20% |
| Pretax margin Tax rate 0% | SG&A | | | | | | 179% | 101% | 52% | 38% | 35% | 32% | 30% | 29% | 27% |
| Tax rate | Operating margin | | | | | | -234% | -96% | -2% | 19% | 22% | 28% | 33% | 36% | 38% |
| Second S | Pretax margin | | | | | | -234% | -96% | -2% | 19% | 22% | 28% | 33% | 36% | 38% |
| Street S | Tax rate | | | | | 0% | 0% | 0% | 0% | 0% | 5% | 10% | 20% | 35% | 35% |
| A5% 1157% -93% 2000% 17% 102% 132% 58% 32% 16% 7% 8% 5% 500 | NET MARGIN | | | | | | -234% | -96% | -2% | 19% | 21% | 25% | 26% | 23% | 25% |
| A5% 1157% -93% 2000% 17% 102% 132% 58% 32% 16% 7% 8% 5% 500 | Growth Rates | | | | | | | | | | | | | | |
| N/a | Revenue | | 45% | 1157% | -93% | 2000% | 17% | 102% | 132% | 58% | 32% | 16% | 7% | 8% | 5% |
| Gross profit 45% 1157% -93% 2000% 7% 88% 132% 58% 32% 16% 7% 8% 5% R&D -10% 133% 10% 13% 0% 11% 0% 25% 35% 4% -6% -2% 5% SG&A 35% 106% 30% 275% 47% 14% 20% 17% 20% 6% 0% 5% -2% 5% -2% -2% 5% -2%< | COGS | | | | | | | | | | | | | | |
| R&D | | | | | | | | | | | | | | | |
| SG&A 35% 106% 30% 275% 47% 14% 20% 17% 20% 6% 0% 5% -2% | R&D | | | | | | | | | | | | | | |
| Operating income -4% 128% 13% 65% 21% 13% 11% 20% 26% 5% -3% 2% 1% Pretax income n/a n/a n/a n/a n/a n/a n/a n/a 11% 20% 26% 5% -3% 2% 1% NET INCOME n/a n/a n/a n/a n/a n/a n/a n/a n/a 44% 40% 12% -4% 11% EPS n/a n/a n/a n/a n/a n/a n/a n/a 43% 39% 11% -5% 10% | SG&A | | | | | | | | | | | | | | |
| Pretax income n/a n/a n/a n/a n/a n/a n/a n/a n/a 11% n/a | | | | | | | | | | | | | | | |
| NET INCOME n/a n/a n/a n/a n/a n/a n/a n/a n/a 44% 40% 12% -4% 11% EPS n/a | | | | , | | | | | | | | | | | |
| EPS n/a n/a n/a n/a n/a n/a n/a n/a 43% 39% 11% -5% 10% | | | | | | | | | | | | | | | |
| | EPS | | | | - | | | | | | | | | | |
| | FD shares outstanding (sequential) | | 60% | 141% | 144% | 13% | 17% | 10% | 5% | 1% | 1% | 1% | 1% | 1% | 1% |

Chris Schott, CFA (1-212) 622-5676 christopher.t.schott@jpmorgan.com

Figure 22: CHS-0214 (biosimilar etanercept) ex-US Revenue Model

\$ in thousands

| thousands USD Fiscal year ends December 31 | EV 2012A | EV 2013A | EV 2014E | EV 2015E | EV 2016E | EV 2017E | FY 2018E | EV 2010E | EV 2020E | EV 2021E | EV2022E | EV 2023E | EV 2024E | EV 2025E |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|----------|----------|----------|
| Patient # Calculation | FT ZUIZA | F1 2013A | F1 2014E | F1 2015E | F1 2010E | F1 201/E | F1 2010E | F1 2019E | F1 2020E | FT ZUZIE | FIZUZZE | F1 2023E | F1 2024E | F1 2025E |
| Ex-US Enbrel Sales (from Pfizer Model) | 3,737,000 | 3,774,000 | 3,800,750 | 3,686,728 | 3,686,728 | 3,502,391 | 3,327,272 | 3,160,908 | 2,908,035 | | | | | |
| Price per patient | 12.0 | 12.2 | 12.5 | 12.7 | 13.0 | 13.2 | 13.5 | 13.8 | 14.1 | | | | | |
| growth | | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | | | | | |
| Calculated Ex-US Patient Population | 311,417 | 308,333 | 304,430 | 289,507 | 283,831 | 264,352 | 246,210 | 229,313 | 206,832 | | | | | |
| growth | , | -1% | -1% | -5% | -2% | -7% | -7% | -7% | -10% | | | | | |
| Biosimilar Penetration | | | | | | | | | | | | | | |
| Ex-US Patient Population | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 | 311,417 |
| growth | , | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0' |
| Biosimilar Penetration | 0.0% | 0.0% | 0.0% | 0.0% | 2.0% | 10.0% | 15.0% | 20.0% | 25.0% | 30.0% | 35.0% | 35.0% | 35.0% | 35.09 |
| Patients on biosimilar etanercept | - | - | - | - | 6,228 | 31,142 | 46,713 | 62,283 | 77,854 | 93,425 | 108,996 | 108,996 | 108,996 | 108,996 |
| Biosimilar Market Share | | | | | | | | | | | | | | |
| Coherus CHS-0214 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 5.0% | 15.0% | 25.0% | 25.0% | 25.0% | 25.0% | 25.0% | 25.0% | 25.0% |
| Coherus CHS-0214 Revenue | | | | | | | | | | | | | | |
| CHS-0214 Patients | - | - | - | - | - | 1,557 | 7,007 | 15,571 | 19,464 | 23,356 | 27,249 | 27,249 | 27,249 | 27,249 |
| Initial discount to innovator | | | | | | 20% | 25% | 30% | 30% | , | , | , | , | , |
| Pricing | | | | | | 10.6 | 10.1 | 9.6 | 9.8 | 9.5 | 9.3 | 9.0 | 8.7 | 8.5 |
| growth | | | | | | | -4% | -5% | 2% | -3% | -3% | -3% | -3% | -39 |
| CHS-0214 Revenue | | | | | | 16,504 | 71,018 | 150,242 | 191,559 | 222,975 | 252,333 | 244,763 | 237,420 | 230,298 |
| % Royalty to Coherus | | | | | | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.09 |
| Coherus CHS-0214 Royalty Revenue | | | | | | 1,980 | 8,522 | 18,029 | 22,987 | 26,757 | 30,280 | 29,372 | 28,490 | 27,636 |
| growth | | | | | | | 330% | 112% | 27% | 16% | 13% | -3% | -3% | -39 |
| Coherus CHS-0214 Revenue | | | | | | 1,980 | 8,522 | 18,029 | 22,987 | 26,757 | 30,280 | 29,372 | 28,490 | 27,636 |

Figure 23: CHS-1420 (biosimilar adalimumab) Revenue Model

\$ in thousands

| thousands USD Fiscal year ends December 31 | FY 2012A | FY 2013A | FY 2014E | FY 2015E | FY 2016E | FY 2017E | FY 2018E | FY 2019E | FY 2020E | FY 2021E | FY2022E | FY 2023E | FY 2024E | FY 2025 |
|--|----------------------------|--|--|--|--|---|--|--|--|---|--|---|---|----------------------------------|
| US Patient # Calculation | | | | | | | | | | | | | | |
| US Humira Sales (from AbbVie Model) | 4,377,000 | 5,236,000 | 6,592,400 | 7,383,488 | 8,121,837 | 8,609,147 | 8,953,513 | 9,043,048 | 8,862,187 | | | | | |
| Price per patient | 21.0 | 24.2 | 27.8 | 30.0 | 31.8 | 33.4 | 35.1 | 36.8 | 37.5 | | | | | |
| growth | | 15% | 15% | 8% | 6% | 5% | 5% | 5% | 2% | | | | | |
| Calculated US Patient Population | 208,429 | 216,812 | 237,372 | 246,163 | 255,452 | 257,885 | 255,429 | 245,698 | 236,063 | | | | | |
| growth | | 4% | 9% | 4% | 4% | 1% | -1% | -4% | -4% | | | | | |
| US Biosimilar Penetration | | | | | | | | | | | | | | |
| US Patient Population | 208,429 | 218,850 | 229,793 | 241,282 | 246,108 | 251,030 | 256,051 | 261,172 | 266,395 | 271,723 | 277,157 | 282,700 | 288,354 | 294,1 |
| growth | | 5% | 5% | 5% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | |
| Biosimilar Penetration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.0% | 5.0% | 10.0% | 15.0% | 20.0% | 25.0% | 25.0% | 25.0% | 25. |
| Patients on biosimilar adalimumab | - | - | - | - | - | 5,021 | 12,803 | 26,117 | 39,959 | 54,345 | 69,289 | 70,675 | 72,089 | 73,5 |
| US Biosimilar Market Share | | | | | | | | | | | | | | |
| Coherus CHS-1420 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 5.0% | 12.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15. |
| Coherus CHS-1420 US Revenue | | | | | | | | | | | | | | |
| CHS-1420 Patients | - | - | - | - | - | 251 | 1,536 | 3,918 | 5,994 | 8,152 | 10,393 | 10,601 | 10,813 | 11,0 |
| Initial discount to innovator | | | | | | 25% | 30% | 35% | 35% | , | , | , | , | |
| Pricing | | | | | | 25.0 | 24.5 | 23.9 | 24.4 | 23.2 | 22.0 | 20.9 | 19.9 | 18 |
| growth | | | | | | | -2% | -2% | 2% | -5% | -5% | -5% | -5% | |
| Coherus CHS-1420 US Revenue | | | | | | 6,285 | 37,696 | 93,722 | 146,263 | 188,972 | 228,892 | 221,796 | 214,921 | 208,2 |
| growth | | | | | | | 500% | 149% | 56% | 29% | 21% | -3% | -3% | |
| Coherus US Revenue | | | | | | 6.285 | 37.696 | 93.722 | 146.263 | 188,972 | 228.892 | 221.796 | 214.921 | 208.2 |
| | * | • | | | | -, | , | | ,, | , | | , | | |
| ex-US Patient # Calculation | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| ex-US Humira Sales (from AbbVie Model) | 4.889.000 | 5.423.000 | 6.069.760 | 6.616.038 | 7.277.642 | 7.859.854 | 7.859.854 | 7.624.058 | 7.242.855 | | | | | |
| ex-US Humira Sales (from AbbVie Model) Price per patient | 4,889,000 12.0 | 5,423,000 12.6 | 6,069,760 13.2 | 6,616,038 13.9 | 7,277,642 14.6 | 7,859,854 15.3 | 7,859,854 16.1 | 7,624,058 16.9 | 7,242,855 17.7 | | | | | |
| ex-US Humira Sales (from AbbVie Model) Price per patient growth | 4,889,000 12.0 | 5,423,000 12.6 5% | 6,069,760 13.2 5% | 6,616,038 13.9 5% | 7,277,642 14.6 5% | 7,859,854 15.3 5% | | 7,624,058 16.9 5% | | | | | | |
| Price per patient | | 12.6 5% | 13.2 5% | 13.9 5% | 14.6 5% | 15.3 5% | 16.1 5% | 16.9 5% | 17.7 5% | | | | | |
| Price per patient growth Calculated ex-US Patient Population | 12.0 | 12.6 | 13.2 | 13.9 | 14.6 | 15.3 | 16.1 | 16.9 | 17.7 | | | | | |
| Price per patient growth Calculated ex-US Patient Population growth | 12.0 | 12.6 5% 430,397 | 13.2 5% 458,788 | 13.9 5% 476,265 | 14.6 5% 498,945 | 15.3 5% 513,200 | 16.1 5% 488,762 | 16.9 5% 451,523 | 17.7 5% 408,521 | | | | | |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration | 12.0 | 12.6 5% 430,397 | 13.2 5% 458,788 | 13.9 5% 476,265 | 14.6 5% 498,945 | 15.3 5% 513,200 | 16.1 5% 488,762 | 16.9 5% 451,523 | 17.7 5% 408,521 | 485.240 | 485.240 | 485.240 | 485.240 | 485.2 |
| Price per patient growth Calculated ex-US Patient Population growth | 12.0 407,417 | 12.6 5% 430,397 6% | 13.2 5% 458,788 7% | 13.9 5% 476,265 4% | 14.6 5% 498,945 5% | 15.3 5% 513,200 3% | 16.1 5% 488,762 -5% | 16.9 5% 451,523 -8% | 17.7 5% 408,521 -10% | 485,240 0% | 485,240 0% | 485,240 0% | 485,240 0% | 485,2 |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth | 407,417 | 12.6 5% 430,397 6% 431,862 6% | 13.2 5% 458,788 7% 457,773 6% | 13.9 5% 476,265 4% 485,240 6% | 14.6 5% 498,945 5% 485,240 0% | 15.3 5% 513,200 3% 485,240 0% | 16.1 5% 488,762 -5% 485,240 0% | 16.9 5% 451,523 -8% 485,240 0% | 17.7 5% 408,521 -10% 485,240 0% | 0% | 0% | 0% | 0% | , |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration | 12.0 407,417 | 12.6 5% 430,397 6% 431,862 | 13.2 5% 458,788 7% 457,773 | 13.9 5% 476,265 4% 485,240 | 14.6 5% 498,945 5% 485,240 | 15.3 5% 513,200 3% 485,240 | 16.1 5% 488,762 -5% 485,240 | 16.9 5% 451,523 -8% 485,240 | 17.7 5% 408,521 -10% 485,240 | , | , | , | , - | 485,2 35. 169,8 |
| Price per patient growth Calculated ex-US Patient Population growth growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab | 407,417 | 12.6 5% 430,397 6% 431,862 6% | 13.2 5% 458,788 7% 457,773 6% | 13.9 5% 476,265 4% 485,240 6% | 14.6 5% 498,945 5% 485,240 0% | 15.3 5% 513,200 3% 485,240 0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% | 16.9 5% 451,523 -8% 485,240 0% 5.0% | 17.7 5% 408,521 -10% 485,240 0% 12.0% | 0% 18.0% | 0% 22.0% | 0% 25.0% | 0% 32.0% | 35. |
| Price per patient growth Calculated ex-US Patient Population growth growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab | 407,417 | 12.6 5% 430,397 6% 431,862 6% | 13.2 5% 458,788 7% 457,773 6% | 13.9 5% 476,265 4% 485,240 6% | 14.6 5% 498,945 5% 485,240 0% | 15.3 5% 513,200 3% 485,240 0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% | 16.9 5% 451,523 -8% 485,240 0% 5.0% | 17.7 5% 408,521 -10% 485,240 0% 12.0% | 0% 18.0% | 0% 22.0% | 0% 25.0% | 0% 32.0% | 35. 169, 8 |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 | 0% 18.0% 87,343 | 22.0% 106,753 | 25.0% 121,310 | 32.0% 155,277 | 35. 169,8 |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 Coherus CHS-1420 ex-US Revenue | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 15.0% | 18.0% 87,343 15.0% | 22.0% 106,753 | 25.0% 121,310 | 32.0% 155,277 15.0% | 35. 169,8 15. |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 Coherus CHS-1420 ex-US Revenue CHS-1420 Patients | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% - | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 5.0% | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 15.0% | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 15.0% | 0% 18.0% 87,343 | 22.0% 106,753 | 25.0% 121,310 | 32.0% 155,277 | 35 169, 8 |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 Coherus CHS-1420 ex-US Revenue CHS-1420 Patients Initial discount to innovator | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% - 0.0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 5.0% | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 15.0% | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 15.0% 8,734 35% | 18.0% 87,343 15.0% | 0% 22.0% 106,753 15.0% | 0% 25.0% 121,310 15.0% | 155,277 155,277 15.0% | 35 169, 8 15 |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 Coherus CHS-1420 ex-US Revenue CHS-1420 Patients Initial discount to innovator Pricing | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% - | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 5.0% 485 30% 11.3 | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 15.0% 3,639 35% 11.0 | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 15.0% 8,734 35% 11.5 | 18.0% 87,343 15.0% 13,101 | 0% 22.0% 106,753 15.0% | 0% 25.0% 121,310 15.0% 18,196 9.9 | 0% 32.0% 155,277 15.0% 23,292 9.4 | 35 169,8 15 25,4 |
| Price per patient growth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 Coherus CHS-1420 ex-US Revenue CHS-1420 Patients Initial discount to innovator Pricing growth | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% - 0.0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 5.0% 485 30% 11.3 1% | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 15.0% 11.0 -2% | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 15.0% 8,734 35% 11.5 5% | 18.0% 87,343 15.0% 13,101 10.9 -5% | 22.0% 106,753 15.0% 16,013 10.4 -5% | 25.0% 121,310 15.0% 18,196 9.9 -5% | 32.0% 155,277 15.0% 23,292 9.4 -5% | 35 169,8 15 25,4 |
| Price per patient yrowth Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population yrowth Biosimilar Penetration Patients on biosimilar adalimumab ex-US Biosimilar Market Share Coherus CHS-1420 Coherus CHS-1420 ex-US Revenue CHS-1420 Patients nitial discount to innovator Pricing | 407,417 407,417 0.0% | 12.6 5% 430,397 6% 431,862 6% 0.0% | 13.2 5% 458,788 7% 457,773 6% 0.0% | 13.9 5% 476,265 4% 485,240 6% 0.0% | 14.6 5% 498,945 5% 485,240 0% 0.0% | 15.3 5% 513,200 3% 485,240 0% 0.0% - 0.0% | 16.1 5% 488,762 -5% 485,240 0% 2.0% 9,705 5.0% 485 30% 11.3 | 16.9 5% 451,523 -8% 485,240 0% 5.0% 24,262 15.0% 3,639 35% 11.0 | 17.7 5% 408,521 -10% 485,240 0% 12.0% 58,229 15.0% 8,734 35% 11.5 | 18.0% 87,343 15.0% 13,101 | 0% 22.0% 106,753 15.0% | 0% 25.0% 121,310 15.0% 18,196 9.9 | 0% 32.0% 155,277 15.0% 23,292 9.4 | 35 169, 15 |

Figure 24: CHS-1701 (biosimilar pegfilgrastim) Revenue Model

\$ in thousands

| \$ in thousands | | | | | | | | | | | | | | |
|--|----------------------------------|---|---|---|--|---|--|---|--|---|--|--|---|--|
| thousands USD | | | | | | | | | | | | | | |
| Fiscal year ends December 31 | FY 2012A | FY 2013A | FY 2014E | FY 2015E | FY 2016E | FY 2017E | FY 2018E | FY 2019E | FY 2020E | FY 2021E | FY2022E | FY 2023E | FY 2024E | FY 2025E |
| US Patient # Calculation | | | | | | | | | | | | | | |
| US Patients on Chemotherapy | 1,420,000 | 1,434,200 | 1,448,542 | 1,463,027 | 1,477,658 | 1,492,434 | 1,507,359 | 1,522,432 | 1,537,657 | 1,553,033 | 1,568,563 | 1,584,249 | 1,600,092 | 1,616,092 |
| growth | .,, | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1 |
| % patients at high neutropenia risk | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 45% | 459 |
| US Patients at High Neutropenia Risk | 639.000 | 645.390 | 651.844 | 658,362 | 664,946 | 671,595 | 678,311 | 685.094 | 691,945 | 698,865 | 705,854 | 712,912 | 720,041 | 727,242 |
| % Neulasta/pegfilgrastim penetration | 72% | 74% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 759 |
| Calculated US Patient Population | 460,080 | 477,589 | 488,883 | 493,772 | 498,709 | 503,697 | 508,734 | 513,821 | 518,959 | 524,149 | 529,390 | 534,684 | 540,031 | 545,43 |
| growth | 400,000 | 4% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 19 |
| | | 476 | 270 | 176 | 176 | 170 | 170 | 176 | 176 | 170 | 176 | 170 | 176 | - 1 |
| US Biosimilar Penetration | | | | | | | | | | | | | | |
| Ex-US Patient Population | 460,080 | 477,589 | 488,883 | 493,772 | 498,709 | 503,697 | 508,734 | 513,821 | 518,959 | 524,149 | 529,390 | 534,684 | 540,031 | 545,431 |
| Biosimilar Penetration | 0.0% | 0.0% | 0.0% | 0.0% | 5.0% | 15.0% | 20.0% | 30.0% | 35.0% | 40.0% | 40.0% | 40.0% | 40.0% | 40.09 |
| US Patients on biosimilar pegfilgrastim | - | - | - | - | 24,935 | 75,554 | 101,747 | 154,146 | 181,636 | 209,659 | 211,756 | 213,874 | 216,012 | 218,172 |
| US Biosimilar Market Share | | | | | | | | | | | | | | |
| Coherus CHS-1701 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 5.0% | 10.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.0% | 12.09 |
| | | | | | | | | | | | | | | |
| Coherus Revenue | | | | | | 0.770 | 40.475 | 40.400 | 04.700 | 25.452 | 05.444 | 25.005 | 25.004 | 00.404 |
| US CHS-1701 Patients | - | - | - | - | - | 3,778 | 10,175 | 18,498 | 21,796 | 25,159 | 25,411 | 25,665 | 25,921 | 26,181 |
| Initial discount to innovator | 1 | | | | | 15% | 20% | 25% | 25% | 25% | 25% | 25% | 25% | 259 |
| US Pricing | | | | | | 6.9 | 6.7 | 6.5 | 6.7 | 6.9 | 7.1 | 7.3 | 7.5 | 7.7 |
| growth | | | | | | | -3% | -3% | 3% | 3% | 3% | 3% | 3% | 39 |
| US CHS-1701 Revenue | | | | | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,848 |
| % Royalty to Coherus | | | | | | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| Coherus US CHS-1701 Royalty Revenue | | | | | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,848 |
| growth | | | | | | | | 76% | 21% | 19% | 4% | 4% | 4% | 4% |
| | | | | | | | | | | | 1-0-00- | | | 004 040 |
| Coherus US CHS-1701 Revenue | | | | | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,848 |
| Coherus US CHS-1701 Revenue | | | | | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,848 |
| | | | | | | 26,058 | 68,035 | 119,436 | 144,957 | 172,342 | 179,287 | 186,512 | 194,029 | 201,848 |
| ex-US Patient # Calculation | 1 278 000 | 1 290 780 | 1 303 688 | 1 316 725 | 1 329 892 | | | , | , , | , · | , | | | |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy | 1,278,000 | 1,290,780 | 1,303,688 | 1,316,725 | 1,329,892 | 1,343,191 | 1,356,623 | 1,370,189 | 1,383,891 | 1,397,730 | 1,411,707 | 1,425,824 | 1,440,082 | 1,454,483 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth | | 1% | 1% | 1% | 1% | 1,343,191 1% | 1,356,623 | 1,370,189 | 1,383,891 | 1,397,730 | 1,411,707 | 1,425,824 | 1,440,082 | 1,454,483 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk | 45% | 1% 45% | 1% 45% | 1% 45% | 1% 45% | 1,343,191 1% 45% | 1,356,623 1% 45% | 1,370,189 1% 45% | 1,383,891 1% 45% | 1,397,730 1% 45% | 1,411,707 1% 45% | 1,425,824 1% 45% | 1,440,082 1% 45% | 1,454,483 19 459 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk | 45% 575,100 | 1% 45% 580,851 | 1% 45% 586,660 | 1% 45% 592,526 | 1% 45% 598,451 | 1,343,191 1% 45% 604,436 | 1,356,623 1% 45% 610,480 | 1,370,189 1% 45% 616,585 | 1,383,891 1% 45% 622,751 | 1,397,730 1% 45% 628,978 | 1,411,707 1% 45% 635,268 | 1,425,824 1% 45% 641,621 | 1,440,082 1% 45% 648,037 | 1,454,483 19 459 654,517 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration | 45% 575,100 32% | 1% 45% 580,851 32% | 1% 45% 586,660 32% | 1% 45% 592,526 32% | 1% 45% 598,451 32% | 1,343,191 1% 45% 604,436 32% | 1,356,623 1% 45% 610,480 32% | 1,370,189 1% 45% 616,585 32% | 1,383,891 1% 45% 622,751 32% | 1,397,730 1% 45% 628,978 32% | 1,411,707 1% 45% 635,268 32% | 1,425,824 1% 45% 641,621 32% | 1,440,082 1% 45% 648,037 32% | 1,454,483 15 459 654,517 329 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population | 45% 575,100 | 1% 45% 580,851 32% 185,872 | 1% 45% 586,660 32% 187,731 | 1% 45% 592,526 32% 189,608 | 1% 45% 598,451 32% 191,504 | 1,343,191 1% 45% 604,436 32% 193,419 | 1,356,623 1% 45% 610,480 32% 195,354 | 1,370,189 1% 45% 616,585 32% 197,307 | 1,383,891 1% 45% 622,751 32% 199,280 | 1,397,730 1% 45% 628,978 32% 201,273 | 1,411,707 1% 45% 635,268 32% 203,286 | 1,425,824 1% 45% 641,621 32% 205,319 | 1,440,082 1% 45% 648,037 32% 207,372 | 1,454,483 459 654,517 329 209,446 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration | 45% 575,100 32% | 1% 45% 580,851 32% | 1% 45% 586,660 32% | 1% 45% 592,526 32% | 1% 45% 598,451 32% | 1,343,191 1% 45% 604,436 32% | 1,356,623 1% 45% 610,480 32% | 1,370,189 1% 45% 616,585 32% | 1,383,891 1% 45% 622,751 32% | 1,397,730 1% 45% 628,978 32% | 1,411,707 1% 45% 635,268 32% | 1,425,824 1% 45% 641,621 32% | 1,440,082 1% 45% 648,037 32% | 1,454,483 459 654,517 329 209,446 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfligrastim penetration Calculated ex-US Patient Population growth | 45% 575,100 32% | 1% 45% 580,851 32% 185,872 | 1% 45% 586,660 32% 187,731 | 1% 45% 592,526 32% 189,608 | 1% 45% 598,451 32% 191,504 | 1,343,191 1% 45% 604,436 32% 193,419 | 1,356,623 1% 45% 610,480 32% 195,354 | 1,370,189 1% 45% 616,585 32% 197,307 | 1,383,891 1% 45% 622,751 32% 199,280 | 1,397,730 1% 45% 628,978 32% 201,273 | 1,411,707 1% 45% 635,268 32% 203,286 | 1,425,824 1% 45% 641,621 32% 205,319 | 1,440,082 1% 45% 648,037 32% 207,372 | 1,454,483 459 654,517 329 209,446 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% | 1% 45% 586,660 32% 187,731 1% | 1% 45% 592,526 32% 189,608 1% | 1% 45% 598,451 32% 191,504 1% | 1,343,191 1% 45% 604,436 32% 193,419 1% | 1,356,623 1% 45% 610,480 32% 195,354 1% | 1,370,189 1% 45% 616,585 32% 197,307 1% | 1,383,891 1% 45% 622,751 32% 199,280 1% | 1,397,730 1% 45% 628,978 32% 201,273 | 1,411,707 1% 45% 635,268 32% 203,286 1% | 1,425,824 1% 45% 641,621 32% 205,319 1% | 1,440,082 1% 45% 648,037 32% 207,372 1% | 1,454,483 119 459 654,517 329 209,446 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% | 1% 45% 586,660 32% 187,731 1% | 1% 45% 592,526 32% 189,608 1% | 1% 45% 598,451 32% 191,504 191,504 | 1,343,191 1% 45% 604,436 32% 193,419 1% | 1,356,623 1% 45% 610,480 32% 195,354 195,354 | 1,370,189 1% 45% 616,585 32% 197,307 1% | 1,383,891 1% 45% 622,751 32% 199,280 199,280 | 1,397,730 1% 45% 628,978 32% 201,273 1% | 1,411,707 1% 45% 635,268 32% 203,286 1% | 1,425,824 1% 45% 641,621 32% 205,319 1% | 1,440,082 1% 45% 648,037 32% 207,372 1% | 1,454,483 459 654,517 329 209,446 19 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfligrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration Biosimilar Penetration | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% | 1% 45% 586,660 32% 187,731 1% | 1% 45% 592,526 32% 189,608 1% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% | 1,343,191 1% 45% 604,436 32% 193,419 193,419 10.0% | 1,356,623 1% 45% 610,480 32% 195,354 1% | 1,370,189 1% 45% 616,585 32% 197,307 1% | 1,383,891 1% 45% 622,751 32% 199,280 1% 199,280 35.0% | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% | 1,411,707 1% 45% 635,268 32% 203,286 1% 203,286 45.0% | 1,425,824 1% 45% 641,621 32% 205,319 1% 205,319 50.0% | 1,440,082 1% 45% 648,037 32% 207,372 1% 207,372 55.0% | 1,454,483 459 654,517 329 209,446 19 209,446 55.09 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% | 1% 45% 586,660 32% 187,731 1% | 1% 45% 592,526 32% 189,608 1% | 1% 45% 598,451 32% 191,504 191,504 | 1,343,191 1% 45% 604,436 32% 193,419 1% | 1,356,623 1% 45% 610,480 32% 195,354 195,354 | 1,370,189 1% 45% 616,585 32% 197,307 1% | 1,383,891 1% 45% 622,751 32% 199,280 199,280 | 1,397,730 1% 45% 628,978 32% 201,273 1% | 1,411,707 1% 45% 635,268 32% 203,286 1% | 1,425,824 1% 45% 641,621 32% 205,319 1% | 1,440,082 1% 45% 648,037 32% 207,372 1% | 1,454,483 459 654,517 329 209,446 19 209,446 55.09 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% | 1% 45% 586,660 32% 187,731 1% | 1% 45% 592,526 32% 189,608 1% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% | 1,343,191 1% 45% 604,436 32% 193,419 193,419 10.0% | 1,356,623 1% 45% 610,480 32% 195,354 1% | 1,370,189 1% 45% 616,585 32% 197,307 1% | 1,383,891 1% 45% 622,751 32% 199,280 1% 199,280 35.0% | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% | 1,411,707 1% 45% 635,268 32% 203,286 1% 203,286 45.0% | 1,425,824 1% 45% 641,621 32% 205,319 1% 205,319 50.0% | 1,440,082 1% 45% 648,037 32% 207,372 1% 207,372 55.0% | 1,454,483 19 459 654,517 329 209,446 19 209,446 55.09 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfligrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population growth ex-US Patient Population ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 193,419 10.0% 19,342 | 1,356,623 45% 610,480 32% 195,354 195,354 20.0% 39,071 | 1,370,189 1% 45% 616,585 32% 197,307 1% 197,307 30.0% 59,192 | 1,383,891 45% 622,751 32% 199,280 199,280 35.0% 69,748 | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% 80,509 | 1,411,707 45% 635,268 32% 203,286 1% 203,286 45.0% 91,479 | 1,425,824 45% 641,621 32% 205,319 1% 205,319 50.0% 102,659 | 1,440,082 1% 45% 648,037 32% 207,372 1% 207,372 55.0% 114,055 | 1,454,483 11 459, 654,517 329,209,446 19 209,446 55.00 115,198 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% | 1% 45% 586,660 32% 187,731 1% | 1% 45% 592,526 32% 189,608 1% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% | 1,343,191 1% 45% 604,436 32% 193,419 193,419 10.0% | 1,356,623 1% 45% 610,480 32% 195,354 1% | 1,370,189 1% 45% 616,585 32% 197,307 1% | 1,383,891 1% 45% 622,751 32% 199,280 1% 199,280 35.0% | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% | 1,411,707 1% 45% 635,268 32% 203,286 1% 203,286 45.0% | 1,425,824 1% 45% 641,621 32% 205,319 1% 205,319 50.0% | 1,440,082 1% 45% 648,037 32% 207,372 1% 207,372 55.0% | 1,454,483 19 459, 654,517 329,209,446 19 209,446 55.09 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population ex-US Patients on biosimilar pegfilgrastim ex-US Patients on biosimilar pegfilgrastim | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 193,419 10.0% 19,342 | 1,356,623 45% 610,480 32% 195,354 195,354 20.0% 39,071 | 1,370,189 1% 45% 616,585 32% 197,307 1% 197,307 30.0% 59,192 | 1,383,891 45% 622,751 32% 199,280 199,280 35.0% 69,748 | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% 80,509 | 1,411,707 45% 635,268 32% 203,286 1% 203,286 45.0% 91,479 | 1,425,824 45% 641,621 32% 205,319 1% 205,319 50.0% 102,659 | 1,440,082 1% 45% 648,037 32% 207,372 1% 207,372 55.0% 114,055 | 1,454,483 11 459, 654,517 329,209,446 19 209,446 55.00 115,198 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 193,419 10.0% 19,342 | 1,356,623 1% 45% 610,480 32% 195,354 1% 195,354 20.0% 39,071 | 1,370,189 1% 45% 616,585 32% 197,307 1% 197,307 59,192 | 1,383,891 1% 45% 622,751 32% 199,280 1% 199,280 35.0% 69,748 | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% 80,509 | 1,411,707 1% 45% 635,268 32% 203,286 1% 203,286 45.0% 91,479 | 1,425,824 1% 45% 641,621 32% 205,319 50.0% 102,659 | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 | 1,454,483 11 459 654,517 329 209,446 55.09 115,198 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulast/pegfligrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patient Population ex-US Patient Population ex-US Patient Population Ex-US Biosimilar Penetration ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 1% 193,419 10.0% 19,342 | 1,356,623 1% 45% 610,480 32% 195,354 1% 195,354 20.0% 39,071 5.0% | 1,370,189 1% 45% 616,585 32% 197,307 1% 197,307 30.0% 59,192 | 1,383,891 1% 45% 622,751 199,280 199,280 35.0% 69,748 | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40,0% 80,509 15.0% | 1,411,707 1% 45% 635,268 32% 203,286 1% 203,286 45,0% 91,479 15,0% | 1,425,824 1% 45% 641,621 32% 205,319 50.0% 102,659 15.0% | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55,0% 114,055 | 1,454,483 1 459 654,517 3222 209,446 19 209,446 55.00 115,199 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 10.0% 19,342 | 1,356,623 1% 45% 610,480 195,354 20.0% 39,071 5.0% | 1,370,189 1% 45% 616,585 32% 197,307 30.0% 59,192 12.0% | 1,383,891 1% 45% 622,751 199,280 199,280 35.0% 69,748 | 1,397,730 1% 45% 628,978 201,273 40.0% 80,509 15.0% | 1,411,707 1% 45% 635,268 32% 203,286 45.0% 91,479 15.0% | 1,425,824 45% 641,621 132% 205,319 50.0% 102,659 15.0% | 1,440,082 1% 45% 648,037 32% 207,372 55.0% 114,055 15.0% | 1,454,483 1 45° 654,51° 32° 209,444 55.0° 115,193 17,27° 36° |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator ex-US Pricing | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 1% 193,419 10.0% 19,342 | 1,356,623 1% 45% 610,480 32% 195,354 1% 195,354 20.0% 39,071 5.0% | 1,370,189 1% 45% 616,585 32% 197,307 1% 197,307 30.0% 59,192 12.0% 7,103 30% 3.4 | 1,383,891 1% 45% 622,751 32% 199,280 35.0% 69,748 15.0% | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40.0% 80,509 15.0% | 1,411,707 1% 45% 635,268 32% 203,286 1% 203,286 45.0% 91,479 15.0% | 1,425,824 1% 45% 641,621 32% 205,319 50.0% 102,659 15.399 35% 35.2 | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 15.0% | 1,454,483 1 45' 654,517 322' 209,446' 55.0' 115,19! 15.0' |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulast/pegfligrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator ex-US Pricing growth | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 10.0% 19,342 | 1,356,623 1% 45% 610,480 32% 195,354 1% 195,354 20.0% 39,071 5.0% | 1,370,189 1% 45% 616,585 32% 197,307 19,307 30.0% 59,192 12.0% 7,103 30% 3.4 -7% | 1,383,891 1% 45% 622,751 199,280 199,280 35.0% 69,748 15.0% | 1,397,730 1% 45% 628,978 32% 201,273 1% 201,273 40,0% 80,509 15.0% 12,076 35% 3.2 0% | 1,411,707 1% 45% 635,268 32% 203,286 45,0% 91,479 15,0% 13,722 35% 3.2 0% | 1,425,824 45% 641,621 32% 205,319 50.0% 102,659 15.0% 15,399 35% 3.2 0% | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 15.0% 17,108 35% 3.2 0% | 1,454,483 11 459 654,517 3222 209,446 55.00 115,198 17,278 369 3.2 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator ex-US Pricing growth growth ex-US CHS-1701 Revenue | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 10.0% 193,42 0.0% | 1,356,623 1% 45% 610,480 195,354 195,354 20.0% 39,071 5.0% 1,954 25% 3.7 -6% 7,150 | 1,370,189 1% 45% 616,585 32% 197,307 30.0% 59,192 12.0% 7,103 30% 3.4 -7% 24,264 | 1,383,891 1% 45% 622,751 199,280 35.0% 69,748 15.0% 10,462 35% 3.2 -7% 33,186 | 1,397,730 1% 45% 628,978 32% 201,273 40.0% 80,509 15.0% 12,076 35% 3.2 0%6 38,306 | 1,411,707 1% 45% 635,268 32% 203,286 45.0% 91,479 15.0% 13,722 35% 3.2 0% 43,526 | 1,425,824 45% 641,621 132% 205,319 50,059 15,099 35% 3,2 0% 48,845 | 1,440,082 1% 45% 648,037 32% 207,372 55.0% 114,055 15.0% 17,108 35% 3.2 0% 54,267 | 1,454,483 1,454,483 1,454,511 3,222 209,444 55.00 115,191 15,00 17,275 3,50 3,20 9,54,811 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population biosimilar Penetration ex-US Patient Population ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator ex-US Pricing growth ex-US CHS-1701 Revenue % Royalty to Coherus | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 19,3419 10.0% 19,342 0.0% | 1,356,623 1% 45% 610,480 32% 195,354 20.0% 39,071 5.0% 1,954 25% 3.7 -6% 7,150 50% | 1,370,189 1% 45% 616,585 32% 197,307 198 197,307 30.0% 59,192 12.0% 7,103 30% 3.4 -7% 24,264 50% | 1,383,891 1% 45% 622,751 32% 199,280 35.0% 69,748 15.0% 10,462 35% 3.2 -7% 3,186 50% | 1,397,730 1% 45% 628,978 201,273 1% 201,273 40.0% 80,509 15.0% 12,076 35% 3.2 0% 38,306 50% | 1,411,707 1% 45% 635,268 203,286 1% 203,286 45.0% 91,479 15.0% 13,722 35% 3.2 0% 43,526 50% | 1,425,824 1% 45% 641,621 32% 205,319 50.0% 102,659 15.399 35% 3.2 9% 48,845 50% | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 15.0% 17,108 35% 3.2 0% 54,267 50% | 1,454,48: 1 45' 654,51' 32' 209,444' 55.0' 115,19: 17,27' 35' 3.3. 99 54,811 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfligrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patient Population ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator ex-US Pricing growth ex-US CHS-1701 Revenue % Royalty to Coherus Coherus ex-US CHS-1701 Royalty Revenue | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 10.0% 193,42 0.0% | 1,356,623 1% 45% 610,480 195,354 195,354 20.0% 39,071 5.0% 1,954 25% 3.7 -6% 7,150 | 1,370,189 1% 45% 616,585 32% 197,307 19,307 30.0% 59,192 12.0% 7,103 30% 3.4 -7% 24,264 24,264 12,132 | 1,383,891 1% 45% 622,751 199,280 199,280 35.0% 69,748 15.0% 10,462 35% 3.2 -7% 33,186 69,748 | 1,397,730 1% 45% 628,978 322% 201,273 1% 201,273 40.0% 80,509 15.0% 12,076 35% 3.2 0% 38,306 38,306 19,153 | 1,411,707 1% 45% 635,268 32% 203,286 45.0% 91,479 15.0% 13,722 35% 3.2 0% 45,526 45,526 50% 21,763 | 1,425,824 45% 641,621 32% 205,319 50.0% 102,659 15.0% 15,399 35% 3,2 2,2 0% 48,845 50% 24,423 | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 15.0% 35% 3.2 0% 54,267 50% 27,134 | 1,454,483 11 459 654,517 322 209,446 55.09 115,199 17,279 359 3.2.2 09 54,811 500 27,408 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfilgrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population biosimilar Penetration ex-US Patient Population ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Patients Initial discount to innovator ex-US CHS-1701 Patients Initial discount to innovator ex-US CHS-1701 Revenue % Royalty to Coherus | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 19,3419 10.0% 19,342 0.0% | 1,356,623 1% 45% 610,480 32% 195,354 20.0% 39,071 5.0% 1,954 25% 3.7 -6% 7,150 50% | 1,370,189 1% 45% 616,585 32% 197,307 198 197,307 30.0% 59,192 12.0% 7,103 30% 3.4 -7% 24,264 50% | 1,383,891 1% 45% 622,751 32% 199,280 35.0% 69,748 15.0% 10,462 35% 3.2 -7% 3,186 50% | 1,397,730 1% 45% 628,978 201,273 1% 201,273 40.0% 80,509 15.0% 12,076 35% 3.2 0% 38,306 50% | 1,411,707 1% 45% 635,268 203,286 1% 203,286 45.0% 91,479 15.0% 13,722 35% 3.2 0% 43,526 50% | 1,425,824 1% 45% 641,621 32% 205,319 50.0% 102,659 15.399 35% 3.2 9% 48,845 50% | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 15.0% 17,108 35% 3.2 0% 54,267 50% | 1,454,4833 119 459 654,517 3292 209,446 55.09 115,195 15.09 17,279 359 3.2.2 0% 54,810 50,90 27,405 |
| ex-US Patient # Calculation ex-US Patients on Chemotherapy growth % patients at high neutropenia risk ex-US Patients at High Neutropenia Risk % Neulasta/pegfligrastim penetration Calculated ex-US Patient Population growth ex-US Biosimilar Penetration ex-US Patient Population Biosimilar Penetration ex-US Patients on biosimilar pegfilgrastim ex-US Biosimilar Market Share Coherus CHS-1701 Coherus Revenue ex-US CHS-1701 Patients Initial discount to innovator ex-US CHS-1701 Revenue % Royalty to Coherus Coherus ex-US CHS-1701 Royalty Revenue | 45% 575,100 32% 184,032 | 1% 45% 580,851 32% 185,872 1% 185,872 0.0% | 1% 45% 586,660 32% 187,731 1% 187,731 0.0% | 1% 45% 592,526 32% 189,608 1,608 0.0% | 1% 45% 598,451 32% 191,504 1% 191,504 5.0% 9,575 | 1,343,191 1% 45% 604,436 32% 193,419 19,3419 10.0% 19,342 0.0% | 1,356,623 1% 45% 610,480 32% 195,354 20.0% 39,071 5.0% 1,954 25% 3.7 -6% 7,150 50% | 1,370,189 1% 45% 616,585 32% 197,307 19,307 30.0% 59,192 12.0% 7,103 30% 3.4 -7% 24,264 24,264 12,132 | 1,383,891 1% 45% 622,751 199,280 199,280 35.0% 69,748 15.0% 10,462 35% 3.2 -7% 33,186 69,748 | 1,397,730 1% 45% 628,978 322% 201,273 1% 201,273 40.0% 80,509 15.0% 12,076 35% 3.2 0% 38,306 38,306 19,153 | 1,411,707 1% 45% 635,268 32% 203,286 45.0% 91,479 15.0% 13,722 35% 3.2 0% 45,526 45,526 50% 21,763 | 1,425,824 45% 641,621 32% 205,319 50.0% 102,659 15.0% 15,399 35% 3,2 2,2 0% 48,845 50% 24,423 | 1,440,082 1% 45% 648,037 207,372 1% 207,372 55.0% 114,055 15.0% 35% 3.2 0% 54,267 50% 27,134 | 201,848 1,454,483 1% 45% 654,517 32% 209,446 55.0% 115,195 15.0% 17,279 35% 3.2 0% 54,810 50% 27,405 |

Coherus: Summary of Financials

| Income Statement - Annual | FY13A | FY14E | FY15E | FY16E | Income Statement - Quarterly | 1Q14E | 2Q14E | 3Q14E | 4Q14E |
|-------------------------------------|----------|----------|----------|-----------|---------------------------------|-----------|----------|-----------|----------|
| Revenues | 2,751 | 34,575 | 2,500 | 52,500 | Revenues | - | - | - | - |
| Cost of products sold | 0 | 0 | 0 | 0 | Cost of products sold | - | - | - | - |
| Gross profit | - | - | - | - | Gross profit | - | - | - | - |
| SG&A | (7,465) | (15,399) | (20,000) | (75,000) | SG&A | - | - | - | - |
| R&D | (31,279) | (72,861) | (80,000) | (90,000) | R&D | - | - | - | - |
| Operating income | (35,993) | (53,685) | (97,500) | (112,500) | Operating income | - | - | - | - |
| Net interest (income) / expense | (5,293) | (6,899) | 0 | 0 | Net interest (income) / expense | - | - | - | - |
| Other income / (expense) | (12,349) | (14,642) | 0 | 0 | Other income / (expense) | - | - | - | - |
| Pretax income | (53,635) | (75,226) | (97,500) | (112,500) | Pretax income | - | - | - | - |
| Income taxes | 0 | 0 | 0 | 0 | Income taxes | 0 | 0 | 0 | 0 |
| Net income - recurring | (53,635) | (75,226) | (97,500) | (112,500) | Net income - recurring | 0 | 0 | 0 | 0 |
| Diluted shares outstanding | - | - | - | - | Diluted shares outstanding | - | - | - | - |
| EPS - excluding non-recurring | (9.66) | (5.62) | (2.98) | (3.05) | EPS - excluding non-recurring | - | - | - | - |
| EPS - recurring | (9.66) | (5.62) | (2.98) | (3.05) | EPS - recurring | - | - | - | - |
| Balance Sheet and Cash Flow Data | FY13A | FY14E | FY15E | FY16E | Ratio Analysis | FY13A | FY14E | FY15E | FY16E |
| Cash and cash equivalents | 39,554 | 168,633 | 76,783 | 117,378 | Sales growth | 44.9% | 1156.8% | (92.8%) | 2000.0% |
| Short Term Investment | - | - | - | - | EBIT growth | (6.6%) | 49.2% | 81.6% | 15.4% |
| Accounts receivable | 385 | 407 | 507 | 5,412 | EPS growth - recurring | 1.5% | (41.8%) | (47.0%) | 2.4% |
| Inventories | - | - | - | - | | | | | |
| Other current assets | 5,738 | 5,738 | 5,738 | 5,738 | Gross margin | - | - | - | - |
| Current assets | 45,677 | 174,778 | 83,028 | 128,528 | EBIT margin | (1308.4%) | (155.3%) | (3900.0%) | (214.3%) |
| PP&E | 1,743 | 1,993 | 2,243 | 2,493 | | | | | |
| Total assets | 47,447 | 176,798 | 85,298 | 131,048 | Tax rate | 0.0% | 0.0% | 0.0% | 0.0% |
| | | | | | Net Profit Margin | (1949.7%) | (217.6%) | (3900.0%) | (214.3%) |
| Total debt | 28,454 | 28,454 | 28,454 | 28,454 | | | | | |
| Total liabilities | 144,524 | 145,222 | 146,222 | 146,222 | | | | | |
| Shareholders' equity | (97,077) | 31,576 | (60,924) | (15,174) | | | | | |
| Net income (including charges) | (53,635) | (75,226) | (97,500) | (112,500) | | | | | |
| D&A | 404 | 0 | 0 | 0 | | | | | |
| Change in working capital | 41,415 | 0 | 900 | (4,905) | | | | | |
| Other | 17,615 | 119,555 | 0 | 0 | | | | | |
| Cash flow from operations | 15,423 | 44,329 | (96,600) | (117,405) | | | | | |
| Capex | (373) | (250) | (250) | (250) | | | | | |
| Free cash flow | 20,343 | | (96,850) | (117,655) | | | | | |
| Cash flow from investing activities | (373) | (250) | (250) | (250) | | | | | |
| Cash flow from financing activities | 9,956 | 85,000 | 5,000 | 158,250 | | | | | |

Source: Company reports and J.P. Morgan estimates.

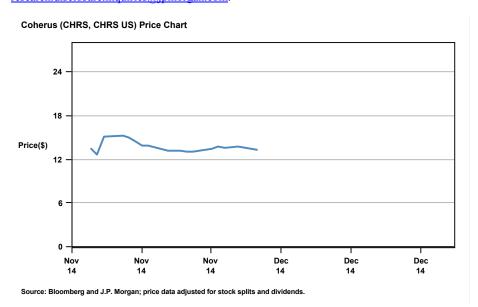
Note: \$ in millions (except per-share data). Fiscal year ends Dec

Analyst Certification: The research analyst(s) denoted by an "AC" on the cover of this report certifies (or, where multiple research analysts are primarily responsible for this report, the research analyst denoted by an "AC" on the cover or within the document individually certifies, with respect to each security or issuer that the research analyst covers in this research) that: (1) all of the views expressed in this report accurately reflect his or her personal views about any and all of the subject securities or issuers; and (2) no part of any of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the research analyst(s) in this report. For all Korea-based research analysts listed on the front cover, they also certify, as per KOFIA requirements, that their analysis was made in good faith and that the views reflect their own opinion, without undue influence or intervention.

Important Disclosures

- Market Maker: JPMS makes a market in the stock of Coherus.
- Lead or Co-manager: J.P. Morgan acted as lead or co-manager in a public offering of equity and/or debt securities for Coherus within the past 12 months.
- Client: J.P. Morgan currently has, or had within the past 12 months, the following company(ies) as clients: Coherus.
- Client/Investment Banking: J.P. Morgan currently has, or had within the past 12 months, the following company(ies) as investment banking clients: Coherus.
- Investment Banking (past 12 months): J.P. Morgan received in the past 12 months compensation from investment banking Coherus.
- Investment Banking (next 3 months): J.P. Morgan expects to receive, or intends to seek, compensation for investment banking services in the next three months from Coherus.

Company-Specific Disclosures: Important disclosures, including price charts, are available for compendium reports and all J.P. Morgan-covered companies by visiting https://jpmm.com/research/disclosures, calling 1-800-477-0406, or e-mailing research.disclosure.inquiries@jpmorgan.com with your request. J.P. Morgan's Strategy, Technical, and Quantitative Research teams may screen companies not covered by J.P. Morgan. For important disclosures for these companies, please call 1-800-477-0406 or e-mail research.disclosure.inquiries@jpmorgan.com.



The chart(s) show J.P. Morgan's continuing coverage of the stocks; the current analysts may or may not have covered it over the entire period

J.P. Morgan ratings or designations: OW = Overweight, N= Neutral, UW = Underweight, NR = Not Rated

Explanation of Equity Research Ratings, Designations and Analyst(s) Coverage Universe:

J.P. Morgan uses the following rating system: Overweight [Over the next six to twelve months, we expect this stock will outperform the average total return of the stocks in the analyst's (or the analyst's team's) coverage universe.] Neutral [Over the next six to twelve months, we expect this stock will perform in line with the average total return of the stocks in the analyst's (or the analyst's team's) coverage universe.] Underweight [Over the next six to twelve months, we expect this stock will underperform the average total return of

the stocks in the analyst's (or the analyst's team's) coverage universe.] Not Rated (NR): J.P. Morgan has removed the rating and, if applicable, the price target, for this stock because of either a lack of a sufficient fundamental basis or for legal, regulatory or policy reasons. The previous rating and, if applicable, the price target, no longer should be relied upon. An NR designation is not a recommendation or a rating. In our Asia (ex-Australia) and U.K. small- and mid-cap equity research, each stock's expected total return is compared to the expected total return of a benchmark country market index, not to those analysts' coverage universe. If it does not appear in the Important Disclosures section of this report, the certifying analyst's coverage universe can be found on J.P. Morgan's research website, www.jpmorganmarkets.com.

Coverage Universe: Schott, Christopher: AbbVie (ABBV), Actavis plc (ACT), Allergan (AGN), Amarin Corporation (AMRN), Bristol-Myers Squibb Company (BMY), Eli Lilly & Company (LLY), Endo International PLC (ENDP), Hospira, Inc. (HSP), Impax Laboratories (IPXL), Kythera Biopharmaceuticals (KYTH), Mallinckrodt (MNK), Merck & Co., Inc. (MRK), Mylan Inc. (MYL), Perrigo Company (PRGO), Pfizer Inc. (PFE), Sagent Pharmaceuticals (SGNT), Teva Pharmaceuticals (TEVA), Valeant Pharmaceuticals (VRX), Zoetis (ZTS)

J.P. Morgan Equity Research Ratings Distribution, as of September 30, 2014

| | Overweight | Neutral | Underweight |
|---|------------|---------|-------------|
| | (buy) | (hold) | (sell) |
| J.P. Morgan Global Equity Research Coverage | 46% | 42% | 12% |
| IB clients* | 57% | 49% | 34% |
| JPMS Equity Research Coverage | 46% | 48% | 7% |
| IB clients* | 76% | 67% | 51% |

^{*}Percentage of investment banking clients in each rating category.

For purposes only of FINRA/NYSE ratings distribution rules, our Overweight rating falls into a buy rating category; our Neutral rating falls into a hold rating category; and our Underweight rating falls into a sell rating category. Please note that stocks with an NR designation are not included in the table above.

Equity Valuation and Risks: For valuation methodology and risks associated with covered companies or price targets for covered companies, please see the most recent company-specific research report at http://www.jpmorganmarkets.com, contact the primary analyst or your J.P. Morgan representative, or email research.disclosure.inquiries@jpmorgan.com.

Equity Analysts' Compensation: The equity research analysts responsible for the preparation of this report receive compensation based upon various factors, including the quality and accuracy of research, client feedback, competitive factors, and overall firm revenues.

Other Disclosures

J.P. Morgan ("JPM") is the global brand name for J.P. Morgan Securities LLC ("JPMS") and its affiliates worldwide. J.P. Morgan Cazenove is a marketing name for the U.K. investment banking businesses and EMEA cash equities and equity research businesses of JPMorgan Chase & Co. and its subsidiaries.

All research reports made available to clients are simultaneously available on our client website, J.P. Morgan Markets. Not all research content is redistributed, e-mailed or made available to third-party aggregators. For all research reports available on a particular stock, please contact your sales representative.

Options related research: If the information contained herein regards options related research, such information is available only to persons who have received the proper option risk disclosure documents. For a copy of the Option Clearing Corporation's Characteristics and Risks of Standardized Options, please contact your J.P. Morgan Representative or visit the OCC's website at http://www.optionsclearing.com/publications/risks/riskstoc.pdf

Legal Entities Disclosures

U.S.: JPMS is a member of NYSE, FINRA, SIPC and the NFA. JPMorgan Chase Bank, N.A. is a member of FDIC. U.K.: JPMorgan Chase N.A., London Branch, is authorised by the Prudential Regulation Authority and is subject to regulation by the Financial Conduct Authority and to limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from J.P. Morgan on request. J.P. Morgan Securities plc (JPMS plc) is a member of the London Stock Exchange and is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. Registered in England & Wales No. 2711006. Registered Office 25 Bank Street, London, E14 5JP. South Africa: J.P. Morgan Equities South Africa Proprietary Limited is a member of the Johannesburg Securities Exchange and is regulated by the Financial Services Board. Hong Kong: J.P. Morgan Securities (Asia Pacific) Limited (CE number AAJ321) is regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission in Hong Kong and/or J.P. Morgan Broking (Hong Kong) Limited (CE number AAB027) is regulated by the Securities and Futures Commission in Hong Kong, Korea: J.P. Morgan Securities (Far East) Ltd, Seoul Branch, is regulated by the Korea Financial Supervisory Service. Australia: J.P. Morgan Australia Limited (JPMAL) (ABN 52 002 888 011/AFS Licence No: 238188) is regulated by ASIC and J.P. Morgan Securities Australia Limited (JPMSAL) (ABN 61 003 245 234/AFS Licence No: 238066) is regulated by ASIC and is a Market, Clearing and Settlement Participant of ASX Limited and CHI-X. Taiwan: J.P.Morgan Securities (Taiwan) Limited is a participant of the Taiwan Stock Exchange (company-type) and regulated by the Taiwan Securities and Futures Bureau. India: J.P. Morgan India Private Limited (Corporate Identity Number - U67120MH1992FTC068724), having its registered office at J.P. Morgan Tower, Off. C.S.T. Road, Kalina, Santacruz - East, Mumbai - 400098, is a member of the National Stock Exchange of India Limited (SEBI Registration Number - INB 230675231/INF 230675231/INE 230675231) and Bombay Stock Exchange Limited (SEBI Registration Number - INB 010675237/INF 010675237) and is regulated by Securities and Exchange Board of India. Telephone: 91-22-6157 3000, Facsimile: 91-22-6157 3990 and Website: www.jpmipl.com. For non local research reports, this

material is not distributed in India by J.P. Morgan India Private Limited. Thailand: This material is issued and distributed in Thailand by JPMorgan Securities (Thailand) Ltd., which is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission and its registered address is 3rd Floor, 20 North Sathorn Road, Silom, Bangrak, Bangkok 10500. Indonesia: PT J.P. Morgan Securities Indonesia is a member of the Indonesia Stock Exchange and is regulated by the OJK a.k.a. BAPEPAM LK. Philippines: J.P. Morgan Securities Philippines Inc. is a Trading Participant of the Philippine Stock Exchange and a member of the Securities Clearing Corporation of the Philippines and the Securities Investor Protection Fund. It is regulated by the Securities and Exchange Commission. Brazil: Banco J.P. Morgan S.A. is regulated by the Comissao de Valores Mobiliarios (CVM) and by the Central Bank of Brazil. Mexico: J.P. Morgan Casa de Bolsa, S.A. de C.V., J.P. Morgan Grupo Financiero is a member of the Mexican Stock Exchange and authorized to act as a broker dealer by the National Banking and Securities Exchange Commission. Singapore: This material is issued and distributed in Singapore by or through J.P. Morgan Securities Singapore Private Limited (JPMSS) [MCI (P) 199/03/2014 and Co. Reg. No.: 199405335R] which is a member of the Singapore Exchange Securities Trading Limited and is regulated by the Monetary Authority of Singapore (MAS) and/or JPMorgan Chase Bank, N.A., Singapore branch (JPMCB Singapore) which is regulated by the MAS. This material is provided in Singapore only to accredited investors, expert investors and institutional investors, as defined in Section 4A of the Securities and Futures Act, Cap. 289. Recipients of this document are to contact JPMSS or JPMCB Singapore in respect of any matters arising from, or in connection with, the document. Japan: JPMorgan Securities Japan Co., Ltd. is regulated by the Financial Services Agency in Japan. Malaysia: This material is issued and distributed in Malaysia by JPMorgan Securities (Malaysia) Sdn Bhd (18146-X) which is a Participating Organization of Bursa Malaysia Berhad and a holder of Capital Markets Services License issued by the Securities Commission in Malaysia. Pakistan: J. P. Morgan Pakistan Broking (Pvt.) Ltd is a member of the Karachi Stock Exchange and regulated by the Securities and Exchange Commission of Pakistan. Saudi Arabia: J.P. Morgan Saudi Arabia Ltd. is authorized by the Capital Market Authority of the Kingdom of Saudi Arabia (CMA) to carry out dealing as an agent, arranging, advising and custody, with respect to securities business under licence number 35-07079 and its registered address is at 8th Floor, Al-Faisaliyah Tower, King Fahad Road, P.O. Box 51907, Riyadh 11553, Kingdom of Saudi Arabia. Dubai: JPMorgan Chase Bank, N.A., Dubai Branch is regulated by the Dubai Financial Services Authority (DFSA) and its registered address is Dubai International Financial Centre - Building 3, Level 7, PO Box 506551, Dubai, UAE.

Country and Region Specific Disclosures

U.K. and European Economic Area (EEA): Unless specified to the contrary, issued and approved for distribution in the U.K. and the EEA by JPMS plc. Investment research issued by JPMS plc has been prepared in accordance with JPMS plc's policies for managing conflicts of interest arising as a result of publication and distribution of investment research. Many European regulators require a firm to establish, implement and maintain such a policy. This report has been issued in the U.K. only to persons of a kind described in Article 19 (5), 38, 47 and 49 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (all such persons being referred to as "relevant persons"). This document must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is only available to relevant persons and will be engaged in only with relevant persons. In other EEA countries, the report has been issued to persons regarded as professional investors (or equivalent) in their home jurisdiction. Australia: This material is issued and distributed by JPMSAL in Australia to "wholesale clients" only. This material does not take into account the specific investment objectives, financial situation or particular needs of the recipient. The recipient of this material must not distribute it to any third party or outside Australia without the prior written consent of JPMSAL. For the purposes of this paragraph the term "wholesale client" has the meaning given in section 761G of the Corporations Act 2001. Germany: This material is distributed in Germany by J.P. Morgan Securities plc, Frankfurt Branch and J.P.Morgan Chase Bank, N.A., Frankfurt Branch which are regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht. Hong Kong: The 1% ownership disclosure as of the previous month end satisfies the requirements under Paragraph 16.5(a) of the Hong Kong Code of Conduct for Persons Licensed by or Registered with the Securities and Futures Commission. (For research published within the first ten days of the month, the disclosure may be based on the month end data from two months prior.) J.P. Morgan Broking (Hong Kong) Limited is the liquidity provider/market maker for derivative warrants, callable bull bear contracts and stock options listed on the Stock Exchange of Hong Kong Limited. An updated list can be found on HKEx website: http://www.hkex.com.hk. Japan: There is a risk that a loss may occur due to a change in the price of the shares in the case of share trading, and that a loss may occur due to the exchange rate in the case of foreign share trading. In the case of share trading, JPMorgan Securities Japan Co., Ltd., will be receiving a brokerage fee and consumption tax (shouhizei) calculated by multiplying the executed price by the commission rate which was individually agreed between JPMorgan Securities Japan Co., Ltd., and the customer in advance. Financial Instruments Firms: JPMorgan Securities Japan Co., Ltd., Kanto Local Finance Bureau (kinsho) No. 82 Participating Association / Japan Securities Dealers Association, The Financial Futures Association of Japan, Type II Financial Instruments Firms Association and Japan Investment Advisers Association. Korea: This report may have been edited or contributed to from time to time by affiliates of J.P. Morgan Securities (Far East) Ltd, Seoul Branch. Singapore: JPMSS and/or its affiliates may have a holding in any of the securities discussed in this report; for securities where the holding is 1% or greater, the specific holding is disclosed in the Important Disclosures section above. Taiwan: This material is issued and distributed in Taiwan by J.P. Morgan Securities (Taiwan Limited). India: For private circulation only, not for sale. Pakistan: For private circulation only, not for sale. New Zealand: This material is issued and distributed by JPMSAL in New Zealand only to persons whose principal business is the investment of money or who, in the course of and for the purposes of their business, habitually invest money. JPMSAL does not issue or distribute this material to members of "the public" as determined in accordance with section 3 of the Securities Act 1978. The recipient of this material must not distribute it to any third party or outside New Zealand without the prior written consent of JPMSAL. Canada: The information contained herein is not, and under no circumstances is to be construed as, a prospectus, an advertisement, a public offering, an offer to sell securities described herein, or solicitation of an offer to buy securities described herein, in Canada or any province or territory thereof. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the dealer registration requirement in the relevant province or territory of Canada in which such offer or sale is made. The information contained herein is under no circumstances to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. To the extent that the information contained herein references securities of an issuer incorporated, formed or created under the laws of Canada or a province or territory of Canada, any trades in such securities must be conducted through a dealer registered in Canada. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed judgment upon these materials, the information contained herein or the merits of the securities described herein, and any representation to the contrary is an offence. Dubai: This report has been issued to persons regarded as professional clients as defined under the DFSA rules. Brazil: Ombudsman J.P. Morgan: 0800-7700847 / ouvidoria.jp.morgan@jpmorgan.com.

General: Additional information is available upon request. Information has been obtained from sources believed to be reliable but JPMorgan Chase & Co. or its affiliates and/or subsidiaries (collectively J.P. Morgan) do not warrant its completeness or accuracy except with respect to any disclosures relative to JPMS and/or its affiliates and the analyst's involvement with the issuer that is the subject of the research. All pricing is as of the close of market for the securities discussed, unless otherwise stated. Opinions and estimates constitute our judgment as of the date of this material and are subject to change

North America Equity Research 02 December 2014

Chris Schott, CFA (1-212) 622-5676 christopher.t.schott@jpmorgan.com J.P.Morgan

without notice. Past performance is not indicative of future results. This material is not intended as an offer or solicitation for the purchase or sale of any financial instrument. The opinions and recommendations herein do not take into account individual client circumstances, objectives, or needs and are not intended as recommendations of particular securities, financial instruments or strategies to particular clients. The recipient of this report must make its own independent decisions regarding any securities or financial instruments mentioned herein. JPMS distributes in the U.S. research published by non-U.S. affiliates and accepts responsibility for its contents. Periodic updates may be provided on companies/industries based on company specific developments or announcements, market conditions or any other publicly available information. Clients should contact analysts and execute transactions through a J.P. Morgan subsidiary or affiliate in their home jurisdiction unless governing law permits otherwise.

"Other Disclosures" last revised November 29, 2014.

Copyright 2014 JPMorgan Chase & Co. All rights reserved. This report or any portion hereof may not be reprinted, sold or redistributed without the written consent of J.P. Morgan.