# J.P.Morgan

### Catalent

F1Q15 Review: FY15 Off to a Solid Start; Reiterate Overweight, PT \$28

Catalent (CTLT) reported solid F1Q15 results, with revenues coming in above Street expectations off broad-based strength in Advanced Delivery Technologies, as well as Development and Clinical Services. Importantly, the company also maintained the prior FY15 outlook, despite incremental FX headwinds since it first provided guidance on the F4Q14 call, testimony to overall momentum across the portfolio. Looking ahead, we expect CTLT's differentiated and diversified operating platform, coupled with sticky customer relationships, to drive consistent top-line growth with industry-leading margins, with deleveraging and M&A driving HSD EPS growth. As such, with little to change our investment thesis coming off the strong F1Q15 results, we reiterate our Overweight rating and DCF-derived 2015 PT of \$28. For further details on our thesis, please see our initiation.

- Solid top-line performance out of the gate... F1Q15 revenues of \$418M came in above both consensus (\$411M) and JPMe (\$414M). By division, Oral Technologies revenues of \$261M (+1.5% y/y cc) saw strength in Modified Release and softgel growth in APAC (China and Japan), which helped offset an expected decline in prescription softgel volumes in North America. Medication Delivery Solutions (MDS) revenues of \$57M (+1% y/y cc) were driven by increased demand for Blow-Fill-Seal, offset by a y/y decrease in Sterile Injectables, due to flu volume declines. Finally, Development and Clinical Services (DCS) revenues of \$103M (-1% y/y cc) declined as softness in Clinical Services was only partially offset by Analytical Services, which saw higher project volumes in the U.S. and growth of the integrated oral solids development and supply business.
- ...with adj. EBITDA above expectations and debt pay-down timing (not operational issues) explaining the EPS miss. Moving down the P&L, adj. EBITDA of \$83M (19.9%) was roughly flat y/y and slightly above JPMe (\$82M), with strong double digit margin performance in MDS and DCS, as improved product mix helped offset a slight y/y decline in Oral Technologies, due to lower utilization rates off softer softgel volumes and mix shift towards Consumer Health. On the bottom line, adjusted EPS of \$0.13 came in below the Street/JPMe of \$0.20/\$0.19, with the miss driven mainly by higher interest expense, due to a slight delay related to debt pay down during the quarter.

### Overweight

CTLT, CTLT US Price: \$23.81

Price Target: \$28.00

## Life Science Tools & Diagnostics Tycho W. Peterson AC

(1-212) 622-6568 tycho.peterson@jpmorgan.com

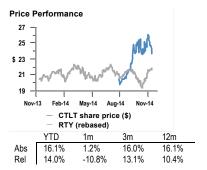
Bloomberg JPMA PETERSON <GO>

#### **Tejas Savant**

(1-212) 622-5650 tejas.savant@jpmorgan.com

#### **Patrick Donnelly**

(1-212) 622-9735 patrick.donnelly@jpmorgan.com J.P. Morgan Securities LLC



Catalent (CTLT:CTLT US)

FYE Jun	2014A	<b>2015E</b> ( <i>Prev</i> )	<b>2015E</b> (Curr)	<b>2016E</b> ( <i>Prev</i> )	<b>2016E</b> (Curr)	2017E
Adjusted EBITDA (\$ mn)						
FÝ	432	454	454	483	488	522
Revenue FY (\$ mn)	1,828	1,899	1,904	2,017	2,021	2,127
Adjusted Diluted EPS FY	1.83	1.72	1.84	1.91	1.90	1.98
(\$)						
Source: Company data, Bloomb	erg, J.P. Mor	gan estimate	es.			

Company Data	
Price (\$)	23.81
Date Of Price	13 Nov 14
52-week Range (\$)	26.34-19.30
Market Cap (\$ mn)	2,840.74
Fiscal Year End	Jun
Shares O/S (mn)	119
Price Target (\$)	28.00
Price Target End Date	31-Dec-15

#### See page 8 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.

J.P.Morgan

- Leading indicators point to strong FY15 setup. For Advanced Delivery Technologies, CTLT has introduced 48 products YTD (+20% y/y), with long cycle development revenues of \$27M YTD (+4% y/y). In DCS, LTM B2B was 1.19, with backlog of \$389.6M, +4% q/q, suggesting healthy momentum across both ADT and DCS heading into 2015.
- Tuck-in M&A adds differentiated capabilities in key growth markets to the portfolio. In early October, CTLT acquired the remaining stake in Redwood Bioscience and its differentiated SMARTag Antibody-Drug Conjugate technology platform. While the deal itself was not surprising, given the historical collaboration between Catalent and Redwood, and the pre-existing equity stake, it should bode well from a competitive standpoint, as it further strengthens CTLT's position in the fast-growing, high-margin biologics market, which accounted for ~10% of revenues and which continues to outpace pharma in terms of growth. In conjunction with F1Q results, the company also announced the acquisition of Micron Technologies, a leader in particle size engineering (with a portfolio that includes particle size reduction, micronization and milling technologies), which should augment capabilities in highly potent and cytotoxic drug handling, integrated inhalation solutions and analytical lab services, while positioning CTLT well to partner with biopharma clients earlier in the development cycle and offer a broader set of options. Micron has ~100 employees and currently supports active programs with +300 customers. Management remains comfortable with a leverage ratio of 5.0-5.5x for the right strategic deals (vs. current levels of 4.0x).
- 2015 guidance reiterated despite incremental currency headwinds. In conjunction with the quarter, management also reiterated the FY2015 outlook, continuing to expect revenue of \$1,890-1,915M with adj. EBITDA in the \$450-460M range. Net income is expected to be ~\$215-225M along with capex of \$115-125M. While operational metrics did come in slightly above expectations in the quarter, management noted the significant adverse shift in exchange rates since the company provided fiscal 2015 guidance on the F1Q14 call, suggesting that strength in the underlying business was sufficient to negate incremental currency headwinds. Finally, interest expense is expected to be ~\$105M, with an effective tax rate of 18% and a weighted average diluted share count of ~119M.
- Updating estimates, reiterate Overweight and Dec 2015 PT of \$28. We are encouraged by CTLT's solid performance this quarter and are updating our model for commentary from the earnings call, as we reiterate our Overweight thesis. We continue to believe that as a global leader in the drug delivery outsourcing market, Catalent sits at the nexus of several secular trends, including growing demand from biopharma companies for complex dose forms, and low outsourcing penetration rates for drug delivery functions in the 15-30% range (significantly lower than those in the CRO sector). We expect CTLT's differentiated and diversified operating platform including an end-to-end solution and deep regulatory expertise, coupled with sticky customer relationships, to drive consistent top-line growth with industry-leading margins, with deleveraging and M&A driving HSD EPS growth going forward. Our December 2015 PT of \$28 remains unchanged. For further details on our investment thesis, please see our recent initiation.

Figure 1: CTLT F1Q15 Variance

rigule 1. CTLT FIQTS variance	101			101				10	454		<b>\</b>		
	1Q1			1Q1					15A			ance	
	Act		JPM Est		Conse		Actı		Change y/y		vs. JPM Est.		Notes
	\$ M	%	\$ M	%	\$ M	%	\$ M	%	Δ\$	∆ margin	\$ M	%	
Oral Technologies	259		259				261		0.8%		2		+1.5% y/y cc
Medication Delivery Solutions	57		57				57		0.7%		0		+0.7% y/y cc
Developmental & Clinical Services	101		101				103		2.1%		2		-0.7% y/y cc
Revenue Elimination	(2)		(3)				(3)						
Total Revenue	414		414		411		418		1.0%		5		
Gross Profit	140	33.8%	141	34.0%			146	35.0%	4.7%	124 bp	6	102 bp	
SG&A	(65)	15.8%	(68)	16.5%			(68)	16.2%	3.4%	38 bp	1	-34 bp	
Other Operating Expenses	(3)	0.7%	(5)	1.1%			(1)	0.3%	-53.3%	-39 bp	3	-81 bp	
Operating Income	35	8.5%	31	7.5%			43	10.2%	21.1%	169 bp	12	268 bp	
Adj. EBITDA	82	19.8%	82	19.9%			83	19.9%	1.5%	10 bp	1	8 bp	
Interest expense	(41)		(31)				(36)		-13.2%		(4)		Higher interest expense due to timing
Income Tax	7	16.1%	(0)	18.0%			14						of debt paydown
Adjusted Net Income	(2)	-0.4%	21	5.1%			13	3.2%	-993%	357 bp	(8)	-186 bp	
Diluted Shares	74.8	ВМ	108.	4M			105.	5M	41.	1%	-2.	8M	
Adjusted Diluted EPS	-\$0.	.02	\$0.:	19	\$0.2	20	\$0.:	13	-733	3.2%	-\$0	0.07	
Guidance for FY15										F1Q15 I	Highlights		

- **Revenue:** \$1,890-1,915M [no change]

- Adj. EBITDA: \$450-460M [no change]

- Adj. Net Income: \$215-225M [no change]

Source: J.P. Morgan estimates, Company data.

- Oral Tehcnologies: Modified release strength helped offset Softgel weakness off Rx N.America volumes

- Medication Delivery Solutions: Blow-Fill-Seal strength offset sterile injectable weakness due to flu volume declines

- Development and clinical Services: Strong analytical services revenue offset weakness in Clinical Services DCS backlog: \$389.6M (+4% q/q), LTM B2B: 1.19x

- Acquisitions: Remaining stake in Redwood Biosciences (ADC technology for biologics); Micron

## Investment Thesis, Valuation and Risks

Catalent (Overweight; Price Target: \$28.00)

#### **Investment Thesis**

As a global leader in the drug delivery outsourcing market, Catalent sits at the nexus of several secular trends, including growing demand from biopharma companies for complex dose forms, and low outsourcing penetration rates. We expect CTLT's differentiated and diversified operating platform, coupled with sticky customer relationships, to drive consistent top-line growth with industry-leading margins, with deleveraging and M&A driving HSD EPS growth going forward.

#### Valuation

Our December 2015 DCF-derived price target of \$28 assumes a CAPM-derived WACC discount rate of 9.6% and 1.5% terminal growth. On a relative basis, Catalent currently trades at a CY2015E EV/EBITDA multiple of ~11x, roughly in line versus West Pharma at 10.5x and Quintiles and ~11x. On a 2015E P/E basis, the company trades at 12x, a significant discount to the peer group average of ~18.5x, as a result of more modest (but arguably stable) top-line growth expectations and the significant amount of leverage on its balance sheet. We believe that as the company continues to demonstrate stable top-line growth and sustains/modestly grows its industry-leading EBITDA margins while using FCF to pay down debt, this valuation discount will likely narrow over time. As such, our price target of \$28 implies a 2015 P/E multiple of ~15x, representing a 19% discount relative to the same peer group.

#### Risks to Rating and Price Target

Risks to our Overweight rating include: (1) Product and regulatory risk is inherent to the industry and business model (legal and reputational costs depending on the severity of the issue, supervision from the FDA, etc.); (2) biopharma consolidation and R&D budget cuts; and (3) capital allocation (risk from value-destructive deals, disruption to the core business model, etc.)

Figure 2: CTLT Model

Income Statement			F1QA	F2QA	F3QA	F4QA		F1QA	F2QE	F3QE	F4QE					CA	GR
USD \$M	F2012A	F2013A	Sep	Dec	Mar	Jun	F2014A	Sep	Dec	Mar	Jun	F2015E	F2016E	F2017E	F2018E	'12-15	'15-20
Oral Technologies	1,220	1,186	259	286	287	348	1,180	261	295	298	365	1,219	1,285	1,346	1,409	0.0%	4.7%
Medication Delivery Solutions	224	219	57	55	65	69	246	57	57	67	71	252	264	275	287	3.9%	4.5%
Developmental & Clinical Services	268	405	101	102	104	105	412	103	106	115	118	442	483	517	554	18.1%	7.5%
Total Revenue	1,695	1,800	414	441	453	520	1,828	418	455	478	552	1,904	2,021	2,127	2,239	3.9%	5.4%
Cost of Goods Sold	1,056	1,145	274	282	280	309	1,145	272	291	294	336	1,193	1,266	1,331	1,400		
Adj. Gross Profit	639	656	140	159	173	211	682	146	165	184	215	710	756	797	839	3.6%	5.5%
Adj. SG&A	299	275	65	71	74	65	276	68	77	72	80	297	313	319	325	-0.2%	2.4%
Adjusted EBITDA	388	413	82	93	106	151	432	83	96	124	149	454	488	522	559	5.3%	7.0%
Other Income (Expense)	179	228	40	40	46	48	174	77	23	23	23	145	91	91	91		
GAAP Pre-Tax Income	19	(24)	(5)	4	15	53	67	(34)	25	50	76	117	201	237	275		
Income Taxes	17	24	(7)	23	7	26	50	(14)	5	9	14	13	36	62	85		
GAAP Net Income	(40)	(47)	1	(19)	7	27	16	(20)	21	42	62	106	166	176	191		
Adjusted Net Income	39	84	(2)	28	38	77	141	14	47	70	90	221	238	248	263		
Diluted Shares Outstanding	0.0	0.0	74.8	74.8	74.8	74.8	76.1	105.5	123.6	123.9	124.2	119.3	124.5	124.9	125.3		
EPS - GAAP			0.02	(0.25)	0.11	0.36	0.20	(0.19)	0.17	0.33	0.50	0.81	1.32	1.40	1.51	N/A	19.2%
Adjusted EPS			(\$0.02)	\$0.37	\$0.52	\$1.03	\$1.83	\$0.13	\$0.38	\$0.56	\$0.72	\$1.84	\$1.90	\$1.98	\$2.09	N/A	6.5%
Adj. Gross Margin	37.7%	36.4%	33.8%	36.0%	38.2%	40.6%	37.3%	35.0%	36.2%	38.4%	39.1%	37.3%	37.4%	37.4%	37.5%	-0.3%	0.1%
change in gross margin (y/y, bp)	+0	-128	+15	-123	+245	+200	+93	+124	+21	+23	-154	-2	+8	+5	+3		
Adjusted SG&A	17.6%	15.3%	15.8%	16.2%	16.3%	12.5%	15.1%	16.2%	16.9%	15.1%	14.5%	15.6%	15.5%	15.0%	14.5%		
Adj. EBITDA Margin	22.9%	22.9%	19.8%	21.2%	23.4%	29.0%	23.7%	19.9%	21.2%	26.0%	27.1%	23.8%	24.1%	24.6%	25.0%	1.3%	1.6%
Tax Rate	88.7%	-100.8%	137.5%	529.5%	45.2%	49.2%	73.4%	40.8%	18.0%	18.0%	18.0%	11.3%	18.0%	26.3%	31.0%		
Adj. Net Margin	4.8%	4.6%	-0.4%	6.3%	8.6%	14.8%	7.8%	3.2%	10.3%	14.5%	16.3%	11.5%	11.7%	11.6%	11.7%	34.0%	2.2%
Reported Revenue Growth y/y	5.1%	6.2%	0.6%	1.1%	1.4%	2.9%	1.5%	1.0%	3.4%	5.5%	6.2%	4.2%	6.2%	5.2%	5.2%		
EBITDA Growth y/y	9.8%	6.3%	-0.1%	-8.2%	5.4%	17.6%	4.7%	1.5%	3.3%	17.4%	-0.9%	5.0%	7.6%	7.1%	7.0%		

Source: J.P. Morgan estimates, Company data.

Figure 3: CTLT DCF Analysis

riguio di dilli dan rimanjono												
Projected FY Ending Dec	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Revenue (\$M)	1,828	1,904	2,021	2,127	2,239	2,352	2,472	2,596	2,723	2,855	2,990	3,129
growth y/y	•	4%	6%	5%	5%	5%	5%	5%	5%	5%	5%	5%
EBIT (\$M)	289	309	346	382	420	459	500	543	588	635	684	736
EBIT margin	16%	16%	17%	18%	19%	20%	20%	21%	22%	22%	23%	24%
Tax-affected EBIT (\$M)	(160)	242	283	283	290	317	345	375	406	438	472	508
Free Cash Flow	(129)	264	295	293	294	321	348	377	408	441	476	507

iscount Rate	Discounted Cash Flows (\$M)			of Termi		,			Entern	rise Valu	ıe (\$M)		FRI	•	alent Te	rminal ward 12 r	nos)
iscourie nate	2015-2024		0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%
8.7%	2,303		2,839	3,039	3,268	3,531	3,836	5,141	5,342	5,571	5,833	6,139	5.5x	5.8x	6.0x	6.3x	6.6
9.2%	2,250		2,561	2,731	2,924	3,144	3,397	4,810	4,981	5,174	5,394	5,646	5.2x	5.4x	5.6x	5.8x	6.1
9.7%	2,199	4	2,318	2,464	2,628	2,814	3,025	4,516	4,663	4,827	5,012	5,224	4.9x	5.0x	5.2x	5.4x	5.6
10.2%	2,149		2,105	2,231	2,371	2,529	2,708	4,254	4,380	4,521	4,678	4,857	4.6x	4.7x	4.9x	5.0x	5.2
10.7%	2,101		1,917	2,026	2,147	2,283	2,435	4,018	4,128	4,249	4,384	4,536	4.3x	4.5x	4.6x	4.7x	4.9
	Net Debt (Cash) (\$M)			Equi	ty Value	(\$M)			Equity	Value pe	r Share				rminal Va f Enterpr	alue ise Value	ē
			0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5
	1,465		3,677	3,877	4,106	4,369	4,674	\$30.82	\$32.50	\$34.41	\$36.62	\$39.18	55%	57%	59%	61%	62
	1,465		3,345	3,516	3,709	3,929	4,181	\$28.04	\$29.47	\$31.09	\$32.93	\$35.05	53%	55%	57%	58%	60
_	1,465		3,051	3,198	3,362	3,547	3,759	\$25.58	\$26.80	\$28.18	\$29.73	\$31.50	51%	53%	54%	56%	58
	1,465		2,789	2,915	3,056	3,213	3,392	\$23.38	\$24.43	\$25.61	\$26.93	\$28.43	49%	51%	52%	54%	56
	1,465		2,553	2,663	2,784	2,919	3,071	\$21.40	\$22.32	\$23.33	\$24.47	\$25.74	48%	49%	51%	52%	54

Source: J.P. Morgan estimates, Company data.

## **Catalent: Summary of Financials**

Income Statement - Annual	FY14A	FY15E	FY16E	FY17E	Income Statement - Quarterly	1Q15A	2Q15E	3Q15E	4Q15E
Revenues	1,828	1,904	2,021	2,127	Revenues	418A	455	478	552
Cost of products sold	(1,229)	(1,280)	(1,352)	(1,416)	Cost of products sold	(293)A	(313)	(316)	(358)
Gross profit	-	-	-	-	Gross profit	-	-	-	-
SG&A	(335)	(353)	(370)	(375)	SG&A	(81)A	(91)	(86)	(94)
R&D	-	-	-	-	R&D	-	-	-	-
Operating income	241	262	292	329	Operating income	43A	48	73	98
EBITDA	374	365	434	469	EBITDA	43A	84	109	134
Net interest (income) / expense	(163)	(104)	(91)	(91)	Net interest (income) / expense	(36)A	(23)	(23)	(23)
Other income / (expense)	(10)	(41)	0	0	Other income / (expense)	(41)A	0	0	0
Income taxes	(50)	(13)	(36)	(62)	Income taxes	14A	(5)	(9)	(14)
Net income	140	219	237	247	Net income	13A	47	69	90
Diluted shares outstanding	76	119	124	125	Diluted shares outstanding	106A	124	124	124
Diluted EPS	0.20	0.87	1.32	1.40	Diluted EPS	(0.19)A	0.17	0.33	0.50
Balance Sheet and Cash Flow Data	FY14A	FY15E	FY16E	FY17E	Ratio Analysis	FY14A	FY15E	FY16E	FY17E
Cash and cash equivalents	74	490	693	904	Sales growth	1.5%	4.2%	6.2%	5.2%
Accounts receivable	404	423	445	463	EBIT growth	17.9%	8.9%	11.3%	12.5%
Inventories	135	143	151	154	EPS growth	-	0.3%	3.3%	4.0%
Other current assets	75	75	75	75					
Current assets	688	1,130	1,364	1,596	Gross margin	-	-	-	-
PP&E	873	878	888	900	EBIT margin	16.3%	18.4%	17.1%	18.0%
Total assets	3,090	3,502	3,713	3,928	EBITDA margin	23.7%	23.8%	24.1%	24.6%
					Tax rate	73.4%	11.3%	18.0%	26.3%
Total debt	2,711	1,955	1,955	1,955	Net margin	7.6%	11.5%	11.7%	11.6%
Total liabilities	3,458	2,719	2,738	2,752					
Shareholders' equity	(367)	783	974	1,176	Net Debt / EBITDA	609.8%	322.9%	258.7%	201.2%
					Net Debt / Capital (book)	116.2%	65.2%	56.4%	47.2%
Net income (including charges)	18	104	165	175					
D&A	143	145	142	140	Return on assets (ROA)	4.5%	6.7%	6.6%	6.5%
Change in working capital	13	(10)	(12)	(7)	Return on equity (ROE)	(35.9%)	105.6%	26.9%	22.9%
Other	5	44	27	27					
Cash flow from operations	178	284	322	335	Enterprise value / sales	2.9	2.2	2.0	1.8
					Enterprise value / EBITDA	12.3	9.1	8.1	7.1
Capex	(122)	(114)	(119)	(123)	Free cash flow yield	2.1%	6.4%	9.4%	10.1%
Free cash flow	39	182	278	299					
Cash flow from investing activities	(171)	(114)	(119)	(123)					
Cash flow from financing activities	(42)	247	0	0					
Dividends	0	0	0	0					
Dividend yield	-	-	-	-					

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

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

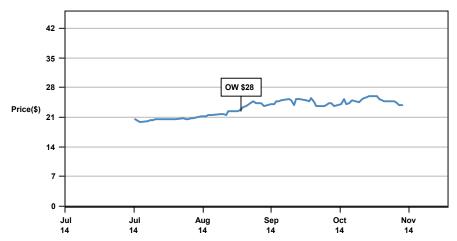
Analyst Certification: The research analyst(s) denoted by an "AC" on the cover of this report certifies (or, where multiple research analysts are primarily responsible for this report, the research analyst denoted by an "AC" on the cover or within the document individually certifies, with respect to 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**

- Lead or Co-manager: J.P. Morgan acted as lead or co-manager in a public offering of equity and/or debt securities for Catalent within the past 12 months.
- Client: J.P. Morgan currently has, or had within the past 12 months, the following company(ies) as clients: Catalent.
- Client/Investment Banking: J.P. Morgan currently has, or had within the past 12 months, the following company(ies) as investment banking clients: Catalent.
- Investment Banking (past 12 months): J.P. Morgan received in the past 12 months compensation from investment banking Catalent.
- 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 Catalent.

Company-Specific Disclosures: Important disclosures, including price charts, are available for compendium reports and all J.P. Morgan-covered companies by visiting <a href="https://jpmm.com/research/disclosures">https://jpmm.com/research/disclosures</a>, calling 1-800-477-0406, or e-mailing <a href="mailto:research\_disclosure\_inquiries@jpmorgan.com">research\_disclosure\_inquiries@jpmorgan.com</a> 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.

#### Catalent (CTLT, CTLT US) Price Chart



Date	Rating	Share Price (\$)	Price Target (\$)
09-Sep-14	OW	22.48	28.00

Source: Bloomberg and J.P. Morgan; price data adjusted for stock splits and dividends. Initiated coverage Sep 09, 2014.

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: Peterson, Tycho W: Accuray (ARAY), Affymetrix (AFFX), Agilent Technologies (A), Albany Molecular Research (AMRI), Bruker Corporation (BRKR), Catalent (CTLT), Cellular Dynamics (ICEL), Cepheid (CPHD), Charles River Laboratories (CRL), Covance (CVD), FEI Company (FEIC), Foundation Medicine (FMI), GenMark Diagnostics (GNMK), Genomic Health (GHDX), Hologic (HOLX), ICON Plc (ICLR), Illumina, Inc. (ILMN), Intrexon (XON), Intuitive Surgical, Inc. (ISRG), Luminex (LMNX), Mettler-Toledo (MTD), Myriad Genetics Inc. (MYGN), NanoString (NSTG), Oxford Immunotec (OXFD), Pacific Biosciences Inc. (PACB), PerkinElmer (PKI), Qiagen N.V. (QGEN), Quidel (QDEL), Quintiles Transnational (Q), Sigma Aldrich (SIAL), Sirona Dental Systems Inc (SIRO), Thermo Fisher Scientific (TMO), VWR (VWR), Varian Medical (VAR), Waters (WAT), WuXi PharmaTech (WX), Zeltiq Aesthetics (ZLTQ)

#### 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%

<sup>\*</sup>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 <a href="http://www.jpmorganmarkets.com">http://www.jpmorganmarkets.com</a>, 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 <a href="http://www.optionsclearing.com/publications/risks/riskstoc.pdf">http://www.optionsclearing.com/publications/risks/riskstoc.pdf</a>

#### **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 and/or J.P. Morgan Broking (Hong Kong) Limited (CE number AAB027) 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

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

North America Equity Research 14 November 2014

Tycho W. Peterson (1-212) 622-6568 tycho.peterson@jpmorgan.com



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 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 October 18, 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.