Website Issues

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What we like

- 1. Like having the 2 Product types:
 - a. Simple product (1 item)
 - b. Bundle products (multiple items)
 - c. Configurable products (drop down. Growth factors, libraries etc)
- 2. Ability to link FAQs to product groups or to individual products
- 3. Can upload pictures & documents without constraints (no max size), have not encountered any issues
- 4. The Landing pages are all fine, please keep the same
- 5. Product categories (attribute fields) for Growth Factors & Cytokines, PCR products are all fine (layout issue to follow)

Summary: Issues & Wishlist

- 1. Ease of uploading new products
- 2. Ability to modify details for each product or product grouping
- 3. Managing products (front & back)
 - a. Inventory system
 - b. Inventory alerts
- 4. Product page layouts
- 5. Adding & format of references
- 6. Speed of Backend System & Bugs
- 7. Sales/Orders
- 8. Features

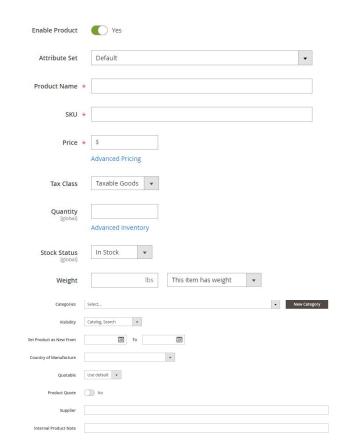
Ease of uploading new products

- 1. Good sturdy connection between backend & frontend. Slow to load to make changes online & may affect the entire website. When uploading new products should be allowed to do so during working hours where IT can assist if bugs/issues pop up.
 - a. Making a simple edit on backend should not take too much time & should immediately show up on the front end
 - b. Allow us bulk upload (multiple products at once)
- 2. Difficult to determine how to add bundle products from scratch
 - a. Not simple method, was faster to duplicate products & rename them to have the same features for bundle products not a good workaround)
 - b. See Word doc prepared by Jennie on how to create bundle products
- 3. Allow to upload product related documents & images (i.e. datasheet, msds, etc) at the same time when uploading the new product (make them the same database)
 - a. Currently need to upload the product, then go back to add documents or images etcs
 - b. Documents are on a different tab and cannot be accessed from product tab (because different databases)
- 4. After uploading new products, system always makes product go Out of Stock by default even after "In stock" is changed
 - a. Have the product be in stock to allow customers to add the product to their cart
 - b. Edit multiple items does not work
- Formatting
 - a. Not consistent with symbols, bold, italics (must use a combination of magento's text boxes or use html to get the desired format to work on frontend = suggest to have 1 way to format text (either by html or using a designated text box, not a combination of both)
 - b. Example: Need to redo formatting multiple times on the backend before it gets reflected to the frontend to look nice = database not connecting to front end right away
 - C. Examples of symbols and special text include (™, Registered ™, Greek alphabet-alpha, beta etc, degrees sign, subscripts, superscripts)

Workflow 1: Adding Simple Products

New Product Tab (basic info for product):

- 1. Must enable product by default
- 2. Select appropriate Attribute Set
- 3. Add: product name, SKU, price
- 4. Select stock status "in stock" by default
 - Issue, after upload the new products become "out of stock" not allowing customers to add product to cart (inspite of indicating In Stock in drop-down)
 - Must go BACK to turn back on the "in stock" designation (time consuming)
- 5. Select categories
 - a. Selected categories should dictate bread crumbs for product
 - b. Where do we add in the breadcrumbs?
- 6. Select Visibility "catalog, search" by default



Workflow 1: Adding Simple Products

Content Tab (for product description, conditions etc)

- 1. Has fields to add information for product
 - a. Suggest no duplicate fields (in content tab the unit, unit quantity vs size in attribute set is difficult to see what goes to front-end)
 - Suggest to use dropdowns for common fields which are used to filter products (i.e. species name) because prone to spelling errors or multiple categories of the same information (i.e. human vs homo sapiens -- both are the same thing)
- 2. Formatting for text, tables, bullet points, bold, italics, underline
 - Difficult to add symbols in text
 - b. Hard to make tables consistent in size, colour, format (see examples, different products have different table format) Grey vs orange?
 - See https://www.abmgood.com/pretrog-cmv-gfp-stop-vector-rv003.html

Add images, videos tab (for images and data):

- Any info added here will not be uploaded, and will need to go back to reupload the info
- d. Have the ability to only upload all info at once

Search engine optimization (for SEO) No concerns for now

Internal classification and inventory

- e. Be able to add lead times
- Supplier information should be saved here (current magento, had 2 supplier sections)

Cannot add/link references or documents with the current workflow

Need to add in a separate upload



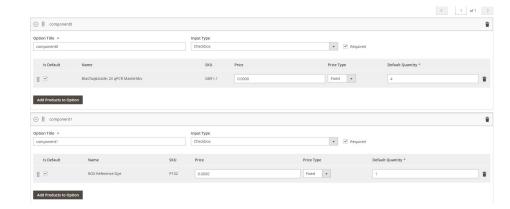
SINGLE-END SEQUENCING	UNIT	CAT. NO.	UNIT PRICE
mRNA Sequencing (up to 8 million reads, 1x75bp SE)	1 Sample	IR13008	\$400.00
mRNA Sequencing (up to 20 million reads, 1x75bp SE)	1 Sample	IR11020	\$520.00
mRNA Sequencing (up to 40 million reads, 1x75bp SE)	1 Sample	IR11040	\$700.00
mRNA Sequencing (up to 80 million reads, 1x75bp SE)	1 Sample	IR11080	\$1065.00

Workflow 2: Adding bundle products

- First add components as simple products:
 - a. Attribute Set: components
 - b. Product name and SKU (Part# or Cat#)
 - c. Category: components
 - d. Price: \$1000
 - Need to set price for upload, but we do not sell these components individually price set here is misleading. No option to leave this blank
 - e. Change visibility to Not Visible Individually
 - f. In **Content** section, set Quantity to the amount (eg. Volume, unit quantity, etc)
 - g. Save product.
- 2) Once the simple product is created, you need to go back in and set the Stock Status back to In Stock (by default, the product is created out of stock).
- 3) When all simple products are made, create a new Bundled Product:
 - a. Attribute Set: according to the product
 - b. Product name and SKU
 - c. Category: according to the product
 - d. Price
 - e. Change visibility to Catalog, Search \rightarrow this should be default

Workflow 2: Adding bundle products

- f. Turn OFF Dynamic SKU, Price and Weight
- g. Fill out Content section with details about the product, and fill in SEO and other relevant sections.
- To add the components, go to Bundle > Add Option
 - Option title:component0, input type: Checkbox, required: yes.
 - i. Then click Add Products to Option
 - Choose the component Cat#/Part# that you want to add to the bundle, then set price to 0 and quantity to the volume/#units in the kit/bundle. Eg. Wash Buffer= 45.0 ml; 4 tubes of 1.25ml PCR Mastermix = 4.
 - Continue until all components are added (subsequent ones are component1, component2, component3, etc.
 - d Save Product
 - e. Go back into the product and change Stock Status to In Stock.
 - > whole process is time consuming, can we add all components at the same time?
- Check the final components set up by searching the Cat# of your Bundle/Kit under Catalog > Product Helper > Search Inventory (search is case sensitive)
 - a. You should see all your components with the correct volumes and units



Ability to modify details for each product or product grouping is needed

- Change an image, add an image
- Modify the product description
- Modify the website search terms
- Modify the google optimization search terms
- Add and remove datasheets, FAQs, CoAs

Too time consuming to edit each product for libraries Have a way to do mass change

Managing Products

a. Web page

i. broken links (links to pages or images disappeared) not detected until someone comes across it - ability to track issues on the website and be able to revert back to the correct setting (i.e. links goes back live & image goes back to what it was originally) instead of going back to re-edit each product again

b. Inventory

i. Magento has too many places for Supplier info (need only 1 place, should indicate supplier & supplier cat).

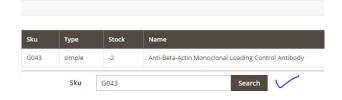


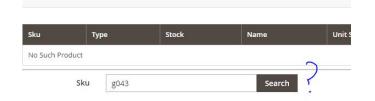
- ii. When viewing inventory, should indicate SKU, product name, components, inventory status, supplier info/supplier cat, location, and suggest current lot with CoA document
 - Can we have a system to track which lot was sent for each order?

Sku	Туре	Stock	Name	Unit Size	Price	Supplier	Location	Source CatNo	Action
G422	simple	8	Applied Cell Extracellular Matrix	25ml	275.0000		PAT1-S1		View
	Sku G422		Search						

Catalog/Inventory Backend Suggestions

- · Catalog/Inventory
- 1. When searching items from inventory, only products SKU would work, can we search by product names or a keyword?
- 2. When searching items from inventory, products SKU have to be exactly match, e.g. search "G108-G-Unlabelled" would work while "G108-G-Unlabelled" not working.
- 3. The search bar should not be capital letter sensitive
- I.e. Search: G043 vs g043 (g043 does not pull up the inventory information)





4. If possible inventory should include the lot number for the product.

Inventory Alerts

Search Inventory Tool

Sku	Туре	Stock	Name	Unit Size
Sample-G896	bundle	389	MegaFi™ Fidelity DNA Polymerase	
Bundle Items:				
Sample-G896-1 component0 ✓	simple1	389	MegaFi™ Fidelity DNA Polymerase x 1.0000	
P896-2 component1 ✓	simple1	862	5X MegaFi™ Buffer x 1.0000	

Inventory Alert Threshold: For each product component we would like to set a special threshold and be alerted when the inventory reaches the set value. We would like to easily add and change who receives this alert

Out of Stock Emails: It should be easy to change who receives these emails for individual products and product groups

Product Page Layouts

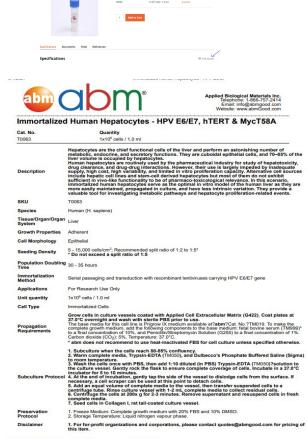
Magento is very restrictive with layouts

Current online & print version does not provide
good user experience (see example)

- Messy & duplicated information
- Too many areas bolded

Suggest to reformat:

- a. Product name, SKU, unit size, storage condition
- b. Production description
- c. Additional product details
- d. Image (if any at bottom)
- e. disclaimers



Adding & Format of References

- Adding references are not streamlined on backend

 html must be applied, and no standard format
 Like the way references are added with the 1 text box, but
- suggest a way to keep formatting consistent

Liang, Y., Song, X., Li, Y., Su, P., Han, D., Ma, T., ... Yang, Q. "circkDM4C suppresses tumor progression and attenuates doxorubicin resistance by regulating miR-548p/PBLD axis in breast cancer" Oncogene 38(42):6850-6866 (2019), DOI: 10.1038/s41388-019-0926-z.

 Verma, M., Asakura, Y., & Asakura, A. "Inhibition of microRNA-92a increases blood vessels and satellite cells in skeletal muscle but does not improve duchenne muscular dystrophy-related phenotype in mdx mice" Muscle & Nerve 59(5):594-602 (2019). DOI: 10.1002/mus.26433.

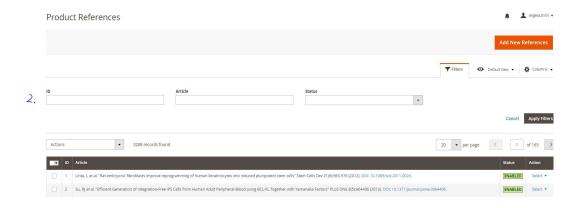
References Information

Linta, L <i>et al</i>. "Rat embryonic fibroblasts improve reprogramming of human keratinocytes into induced pluripotent stem cells" Stem Cells Dev 21(6):965-976 (2012), DOI: 10.1089/scd.2011.0026.



- Hard to find references on backend
 - Limited on how to find your specific reference Hard to find

 - Can we search by SKU
 i. Show up all references for that SKU
 - Search by product category
 I. Show up all references for category



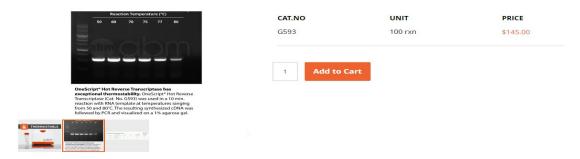
Speed of Backend System & Bugs

- Too slow when loading products, editing products, going back to add another one, etc. (poor use of human resources)
- Uploading a single bundled product with 6 components took over an hour.
- Making small edits to library products (eg. correcting accession number, insert size, etc) takes about 10 minutes each, of which 7-8 minutes is loading time only)
- Sometimes, edits made on the backend does not show up on the frontend, causing delays & time to debug booooooo

Broken Breadcrumbs



OneScript® Hot Reverse Transcriptase

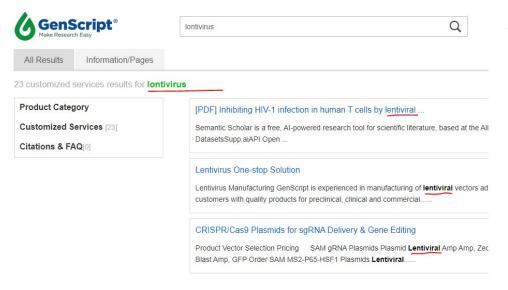


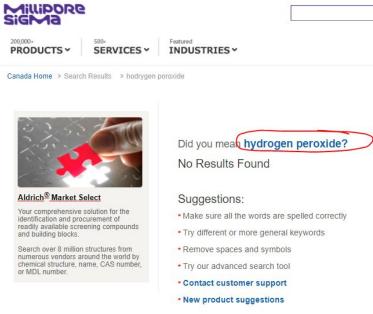
- The breadcrumbs for almost all (if not all) products don't work. This is regardless of where you go to access the product (i.e search bar or through landing pages)
- Need them to work so that customers can go back to landing pages to see what other products we have

Search Function

- Fuzzy search would help find items instead of "no result":
 - Eg. Searching "A1BG lenti" would pull up "A1BG Lentivirus"
 - Eg. Searching "taq pol" would pull up "Taq polymerase"
 - Exception: if input is #'s only, pull up only exact SKU results (124002213581)

Typo or wrong spelling detection:





Categories: Growth Factor Specific

Retain all the following specification categories, product fields, drop down menu size options etc for all Growth **Factor Products**

JPECHICATIONS Description VEGF is a homodimeric glycoprotein that is actively involved in angiogenesis, vasculogenesis and endothelial cell growth. Owing to alternative splicing of the mRNA, VEGF occurs in several molecular variants of 121, 162, 145, 148, 165, 183, 189 and 206 amino acids. The various isoforms of VEGF differ in biological properties such as; (a) the receptors they recognize and (b) their interaction with heparan. sulfate proteoglycans, VEGF-121 and VEGF-165 are soluble secreted forms of the factor while VEGF-189 and VEGF-206 are mostly bound to heparin-containing proteoglycans in the cell surface or in the basement membrane. VEGF-165 is the most common variant in most tissues and one with heparin binding properties. Recombinant VEGF-165aa is a non-glycosylated, disulfide linked homodimer. SKU 10000239 VEGF/PGDF/Pleiotrophin Family Family Aliases Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGFA, VEGF-165aa Recombinant Human Vascular Endothelial Growth Factor 165AA (VEGFA) Gene Symbol Gene ID P15692 Accession Number Source F coli Species Human (H. sapiens) Lyophilized Powder Appearance 19 kDa Molecular Weight Endotoxin Level < 1.0 EU/µg of recombinant protein as determined by the LAL method Purity >95% as determined by SDS-PAGE Formulation Lyophilized from 0.2 µm filtered solution in sodium phosphate and NaCl (pH 6.5) Function The ED50 as determined by the dose-dependent proliferation of human umbilical vein endothelial cells was found to be <0.1ng/ml. Reconstitution A quick spin of the vial followed by reconstitution in distilled water to a concentration no less than 0.1 mg/mL. This solution can then be diluted into other buffers. Storage The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable lo For research use only. Not for diagnostic or therapeutic use. Usage

Filters: Growth Factor Specific

Showing results for: "fgf2"

When searching for a Growth Factor the "Refine Your Results" does not show the appropriate filters. Filter on the left lists the "Species" subcategory instead of Cell Biology>Growth Factors

Showing 1-10 of 16 Sort By Relevance ✓ 4 **REFINE YOUR RESULTS:** Recombinant Human FGF2 (E. coli) Gene Expression Vectors and RNAi Technology (2 Price: \$40.00~\$504.00 Basic Fibroblast Growth Factor is found in almost all tissues of mesodermal and neuroectodermal origin and also in tumors derived Protein Expression and Analysis (1) from these tissues. Endothelial cells produce large amounts of this Antihodies (1) factor. Some hEGE is associated with the EF1a(1) FGF2 3'UTR miRNA Reporter Expression System Typ Adenovirus (1) Lentivirus (1) Sku: 2049908 This lentivector, lentivirus, or stable cell line contains the 31 ITR region of Retrovirus (1) Price: \$395.00~\$2.250.00 the FGF2 gene followed by a reporter (GFP or Luciferase). These SIRNA (1) Unit: 1 µg, 3.0 ml, 10⁶ cells/ml, 1.0 reporters can be used to elucidate the interactions between miRNA and ORE Vector (1) 3' UTR Reporter (1 Protein Vertor (1) Protein Lysate (1) CRISPR Knockout seRNA (1 Recombinant Mouse FGF2 (E. coli) CRISPR Activation seRNA (1) Price: \$70.00~\$882.00 Rasic Fibroblast Growth Factor is found in almost all tissues of Mouse (M. musculus) (1) mesodermal and neuroectodermal origin as well as in tumors derived Rat (R. norvegicus) (1) from these tissues. Endothelial cells produce large amounts of this factor. Some bFGF is associated with the.

Home > Cell Biology > Growth Factors and Cytokines

Growth Factors and Cytokines

OVERVIEW SERVICES SEARCH LIBRARY PRODUCTS RESOURCES PROMOTIONS

Growth Factors & Cytokines are naturally occurring molecules involved in a wide-array of biological "Throughout this process, the protein"

Growth Factors & Cytokines are naturally occurring molecules involved in a wide-array of biological functions such as cell differentiation, proliferation, activation, as well as migration, abm is proud to offer a wide-repertoire of bioactive, recombinant human, mouse and rat Growth Factors and Cytokines that are 295% pure, have < 1.0 EU of endotoxin/jug of protein, and are available in customizable alliquots.

"Throughout this process, the protein has performed well and we have not observed evidence of any shortcomings regarding the purity, quality and utility of the product. We will order this product again in the future."

Dr. Andreas Tue Ingemann Jensen, DTU Nutech, Recombinant Human EGF Growth Factor (Z100135/Z100139)

Filters: Should be available for all products

Allow end users to be able to find products easier

- Had feedback that it was difficult to find specific product when they don't know the SKU
- Not all filters on the side of the product lists were consistent
- Do we have a way to dictate the filters?

Example: https://www.abmgood.com/Cell-Biology.html (large filter range) Vs

https://www.abmgood.com/Tumor-Cells.html (small filter range)

Sales/Orders Backend suggestions

Sales/Orders

1. Simple search.

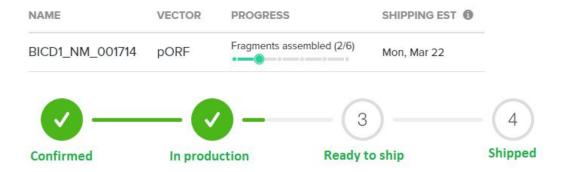
With current Magento, we can only search by apply filters with exact ID/PO#/SKU etc.

"key word" searching doesn't show things, e.g. search "BlasTaq" nothing pops up.

- 2. When click into an order, "Attention with something went wrong" always pops up 3 times
- 3. Is it possible to search orders under department (e.g. PCR department) so we can see orders only related to us? Search orders to be done/completely under each department?
- 4. If possible search order by group and searches will include negative inventory and inventory with less than 100 or 200.

Future Feature: Custom Service Log

Progress bar would be nice for external order progress viewing



The ability to edit multiple CSL entries from multiple orders at once with the same update (saves time). Eg. mark multiple items as "Complete" or "Cloning done, sequencing in progress"

FUTURE FEATURE: Database must be able to handle 20M+ products

- Can keep <u>individual</u> products' inventory #'s and storage location for multiple sites (eg. Vancouver, Zhenjiang, Bellingham, France). Stock status/shipping times will depend on where the item is shipping from and whether they have inventory or not.
- Inventory list, details, pricing, and locations can be exportable to Excel
- Quickly searchable (multiple results, fast (<5 seconds))
- Can replace our "Plasmid Inventory" excel sheet database
- Can track the order numbers that the products were ordered with (so we can link it with our Custom Service Files for future reference)

Feature: Royalty

- 1. Link sales to the license database (Vincent is currently designing)
- 2. Enable to compute the royalty amounts based on SKU or product name from the sales

Details already discussed for the license database meeting*

Interesting website design guides

https://xd.adobe.com/ideas/principles/web-design/web-page-design/

https://www.smashingmagazine.com/2008/01/10-principles-of-effective-web-design/

Review of current e-commerce website platforms including Magento, good for looking at what things we may want to consider in building our own platform/site:

https://www.outerboxdesign.com/web-design-articles/ecommerce_features