Freezer Web Access Working with samples



A technician in the lab freezes twelve aliquots from cell line A, puts them in the first row of a box (e.g.8x12), and scans the box. She then names the box "Box1".

She annotates these new samples with all the metadata into a form-like environment of Freezer Web Access.

She also tells the system where she is putting this box (freezer and rack).

The Freezer Web Access system automatically adds this information to the samples as well, and updates the "Freezer" section (where one can visually look for samples, to find a new box in the designated freezer and rack named "Box1").





When logging in for the first time, login name and password for the default administrator login are both admin.



| С | alendar Ad | dd Batch | Add Samples | Batches | Freeze | ers Kits | Search | Removal Logs | More | e → [| Barcode o | r Terms |
|---|---------------------------------|--------------|-------------|--------------|-----------|---------------|------------|---------------|---------|------------|-----------|---------|
| T | rack cell line l how/Hide co | ineage Typ | e Batch | | | | | | | | | |
| 9 | Gelect Batch | | | | | | | | | | | c |
| | Project | Catalog Numb | Batch | Parent Batch | QC Requir | Sample Type | Technician | Date | Documen | Total Vial | Remainin | Shipped |
| | | | | | All | All | All 💌 | | | | | |
| 1 | Kir2.1-CHO | CT4127 | 1177 | | No | Customer Cell | Admin | 2013-03-10 18 | 0 | 64 | 63 | 1 |
| 2 | Bombesin 2 (G | A694 | 1506 | 869 | No | Customer Cell | Admin | 2013-03-10 18 | 0 | 120 | 108 | 12 |
| 3 | Bombesin 2 (G | A694 | 869 | | No | Customer Cell | Admin | 2013-03-10 17 | 0 | 40 | 40 | 0 |
| 4 | Nicotinic a3/b4 | CT4021 | 1150 | | No | Customer Cell | Admin | 2013-03-10 17 | 0 | 100 | 0 | 100 |
| | | | | | | | | | | | | |

You are redirected to the Batches tab after logging in.



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| localhost:8080/fwa/samplesbatch?type=1&menuPage=0 | C Search | ☆ 自 🛡 🖡 ⋒ 🧚 🕞 😑 |
| Freezer Web Access Demo Site - Dash | board Requests & QC Cell Culture | Configuration Help Sign Out |
| Calendar Add Batch Add Samples Batche | es Freezers Kits Search Remov | val Logs More Barcode, Terms or Box |
| Fill out Batch Information | | |
| Project * Catalog Number * Batch * Batch * QC Required No QC Required No Attach File * Sample Type * Private No Volume Unit of measurement Threshold Expiration date Fields marked with (*) are required | Start typing | g, the program will autocomplete the field |
| Import unique sample ID | | |
| Upload Excel spreadsheet or text file from 2D b | oarcode scanner 📩 | |
| File format: Rack: comment in the first line A01,01234567 B01,01234568 C01,No Tube | | |

Samples may be added in a sample by sample manner or in batches (in cases where there are numerous identical samples). Perform the steps below to submit a new sample batch. Open the Add Batch tab.

| ¢ | Freezer Web A | Access × | + | | | | | | | | | | |
|-----|---|---|--|---------------|----------------|-----------|-----------|---------------------------|--------------|----------|----------|---------|------------|
| (| i localhost: | 8080/fwa/samplesbat | tch?type=1&menuPage=0 | • | | C | Q Search | | ☆ 自 | • | A | ÷ | ⊚ ≡ |
| Fre | ezer Web | Access | Demo Site 🗸 | Dashboard | d Reques | ts & QC | Cell Cu | ulture Configu | uration | Неір | | Si | ign Out |
| | Calendar | Add Batch | Add Samples | Batches | Freezers | Kits | Search | Removal Logs | More → | Bar | code, Te | erms or | Box |
| | Fill out Ba | atch Information | n | | | | | | | | | | |
| | Fill out Ba Project Catalog Batch Parent I QC Requ Attach I Sample Freeze Final Pa Target F Detachr Freezing IC Valid GPCR Va | Number * (Number * (* 2 Batch (File * Type * (date * ssage number Family ment Solution g Media lation alidation | Kir2.1-CHO CT4127 1178 No Customer Cell Lines 2018-12-15 r CNG Target Fa CNG Target Fa | An increments | nted value for | r the las | sta | Patch ^C Quattr | ogram will a | utocompl | ete the | t field | |
| | Vector | | | | (Rex) L HEK | | - I (Rex) | | | | | | |
| | Private Volume | | Unit of measure | urement | | | | | | | | | |

In Fill out Batch Information section, type in Cell Line/Project, Catalog Number, Batch, Parent Batch, if present, and select a Sample Type. Fill out custom fields.



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| 🔄 🛈 localhost: 3030/fwa/samplesbatch?type=1&menuPage=0 🛛 🖒 🔍 Search 🔂 🖨 🥐 🚱 | ≡ |
| Private No Volume Unit of measurement | |
| Threshold Expiration date | |
| Fields marked with (*) are required | |
| Import unique sample ID | |
| Upload Excel spreadsheet or text file from 2D barcode scanner 📩 | |
| and select a box in Select Container section | |
| File format: Rack: comment in the first line A01,01234567 B01,01234568 C01,No Tube | |
| Vial Placement | |
| Total Number of Vials * Find empty consecutive spaces within a Rack (Select a Rack to start the search) Generate consecutive spaces report Start (Select Rack, Freezer or Room and press Start button) | |
| Select Container | |
| Rockville Liquid Nitrogen Tank 1, -125 C Rack1 Box1 Box2 Box3 Box4 Rack2 Rack2 Rack3 For Rack4 | |

Upload a text file from 2D barcode scanner in Import 2D barcode section. In the Select Container section navigate a freezer, open a rack and select a box or a plate.



| Freezer Web Access × + | | | | | | | | | | |
|--|---------|----------------------------|------|--------|----------|-------|------|---|---|---|
|) (i) localhost:8080/fwa/samplesbatch?type=1&menuPage=0 | G | 🔍 Search | 1 | ☆ 🛍 | | + | ⋒ | ÷ | C | Ξ |
| Vial Placement | | | | | | | | | | |
| Total Number of Vials * 40 | e space | s within a Rack (Select a | Rac | k to s | start th | e sea | rch) | | | |
| Generate consecutive spaces report Start (Select Rack, | Freezer | or Room and press Start bu | tton |) | | | | | | |
| Box1->Rack1->Liquid Nitrogen Tank 1, -125 C->Rockville | | | | | | | | | | |
| Box2->Rack1->Liquid Nitrogen Tank 1, -125 C->Rockville | | | | | | | | | | |
| Box3->Rack1->Liquid Nitrogen Tank 1, -125 C->Rockville | | | | | | | | | | |
| BOX4-2KaCK1-2LIQUID NITFOGEN TANK 1, -125 C-2KOCKVIIIE | | | | | | | | | | |
| Select Container | | | | | | | | | | |
| Rockville Rockville Rocki R | | | | | | | | | | |
| Select Location in the Box | | | | | | | | | | - |
| Sample Type Image | | | | | | | | | | |
| Sample Type Image | | | | | | | | | | |

The system can generate consecutive spaces report. In Select Container section, select a rack or a freezer. In Vial Placement section press the Start button. The system finds empty boxes or plates.





Scroll down the page. In the Sample Type Image section use predefined Sample Type image or select another image. In Batch Addition section, press Add Batch button.





Open the Freezers tab. The system added samples. Select a vial with the mouse click. Move or resize Sample Information window to let you view different vials as you select vials with the mouse.



| ezer Web Acces | S | Demo Site 👻 | Dashboard | Requests & QC | Cell Cul | Iture | Configurati | on | Help | | | S | ign |
|---|--------------------|-------------------------|--|--|-----------|------------|-------------|--------------|-------------------|--------|---------------|---------|------|
| More Freeze | rs Kits | Search | Removal Logs | Removal In T | ransit S | Statistics | Settin | gs | | Barco | ide or T | erms | |
| Personal Settings | | | | | | | | | | | | | |
| Login Screen nam Email Phone Location Change Pa | a e A ssword | ıdmin Idmin | Automatically Vial p Vial p Display vial ir Displa | y allocate samples in osition top-down osition left to right nformation columns by in the grid | the batch | | | | | | | | |
| | | | | | | | | | | | | | |
| Select Site | e | | | Description | | | | | Site | Access | Group | | 0 |
| Select Site | e | | | Description | | | | | Site | Access | Group | | 0 |
| Select Site Nam | e | Freezer WE | B Access Demo | Description | | | | Admi | Site | Access | Group | | 0 |
| Select Site Nam Demo Site Test | e | Freezer WE Test Site | B Access Demo | Description | | | | Admi Admi | Site inistrato | Access | Group | | |
| Select Site Nam Demo Site Test Select Bookmark | e | Freezer WE Test Site | B Access Demo | Description | | | | Admi | Site | Access | Group View | / 1 - 2 | of 2 |

A user can set successive vial numbers to go top-down or left to right in the Container Layout section. Select the Settings tab, you may need to press More tab button to open more tabs. Select Vial position top-down or Vial position left to right option. The system saves changes.



| ontair | ner Layou | it | | | | | | | | | | | |
|--------|-----------|----|----|----------|-------------|------------|-------------|------------|----------|----|----|----|--|
| | | | | Box4->Ra | ck1->Liquid | Nitrogen T | Tank 1, -12 | 5 C->Rockv | rille(0) | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | 1 | 9 | 17 | 25 | 33 | 41 | 49 | 57 | 65 | 73 | 81 | 89 | |
| в | 2 | 10 | 18 | 26 | 34 | 42 | 50 | 58 | 66 | 74 | 82 | 90 | |
| c | 3 | 11 | 19 | 27 | 35 | 43 | 51 | 59 | 67 | 75 | 83 | 91 | |
| D | 4 | 12 | 20 | 28 | 36 | 44 | 52 | 60 | 68 | 76 | 84 | 92 | |
| E | 5 | 13 | 21 | 29 | 37 | 45 | 53 | 61 | 69 | 77 | 85 | 93 | |
| F | 6 | 14 | 22 | 30 | 38 | 46 | 54 | 62 | 70 | 78 | 86 | 94 | |
| G | 7 | 15 | 23 | 31 | 39 | 47 | 55 | 63 | 71 | 79 | 87 | 95 | |
| н | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 | |

Open the Freezers tab and select a box or a plate. The system numbers wells in a box using selected option. This is a user specific setting.



| - Collin | 00000000000 | needox.type=3 | ouncilur age=0 | | | | | ocaren | | | | | • |
|----------|-------------|---------------|----------------|----------|-------------|------------|------------|------------|----------|----|----|----|---|
| Conta | iner Layou | t | | | | | | | | | | | |
| | | | | Box4->Ra | ck1->Liquid | Nitrogen T | ank 1, -12 | 5 C->Rockv | ville(0) | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | 17 | | 33 | | 49 | 57 | 65 | 73 | 81 | 89 | |
| в | | 10 | 18 | 26 | 34 | 42 | 50 | 58 | 66 | 74 | 82 | 90 | |
| С | | 11 | 19 | 27 | 35 | 43 | 51 | 59 | 67 | 75 | 83 | 91 | |
| D | | 12 | 20 | 28 | 36 | 44 | 52 | 60 | 68 | 76 | 84 | 92 | |
| E | | 13 | 21 | 29 | 37 | 45 | 53 | 61 | 69 | 77 | 85 | 93 | |
| F | | 14 | 22 | 30 | 38 | 46 | 54 | 62 | 70 | 78 | 86 | 94 | |
| G | | 15 | 23 | 31 | 39 | 47 | 55 | 63 | 71 | 79 | 87 | 95 | |
| н | | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 | |

Select multiple wells by dragging a plate with the mouse over the locations. Also, locations can be selected by click or drag while holding the Ctrl key, allowing for multiple (non-contiguous) selections.



| localhost | t:8080/fwa/icebox?type=58menuPage=0 | ☆│自 | ♥ ♣ | î î | * 📀 | |
|-----------|---|-------------|--------------|------------|---------|---|
| Containe | er Layout | | | | |] |
| | Dave + Daales + Liquid Nitrogan Tables - 125 C + Daalailla (0) | | | | | |
| | Add new Vials | | | | × | |
| A | Broject * | the preason | will putper | malata th | o field | |
| | Scart typing, | une program | will autocol | inpiece un | ie neid | |
| | | | | | | |
| в | Freeze date 2018-12-15 | | | | | |
| | Final Passage number | | | | | |
| с | Target Family CNG Target Family | | | | | |
| | Detachment Solution | | | | | |
| | Freezing Media | | | | | |
| D | IC Validation O Barracuda C FLIPR C Manual C None C PatchX C QPatch | O Quattro | | | | |
| | GPCR Validation 🛛 Binding 🗖 Calcium 🗖 cAMP 🗖 CNG 🗖 None | | | | | |
| | Parental Cell Line 🛛 1321N1 🗍 CHO 🗍 CHO-T(Rex) 🗍 HEK 🗍 HEK-T(Rex) 🗍 RH777 | 77 | | | | |
| E | Vector | | | | | |
| | | | | | | |
| F | | | | | | |
| | | | | | | |
| | Private No - | | | | | |
| G | Volume Unit of measurement | | | | | |
| | Threshold Expiration date | | | | | |
| н | Fields marked with (*) are required | | | | | |
| | Total Number of Vials 32 | | | | | |
| | Assign Barcodes with prefix BP1 start with 1000368 | | | | | |

Select Add new Vials image to add samples. Fill out sample information and select a Sample Type. Press Add Vials button. The system adds new samples.





Select vials in the Container Layout section. In the navigation bar press Remove Vials image. Select vial removal: In-House or Shipping. Select a comment and type a description. Select Shipping Date. Press Remove Vials button. Open the Removal Log tab.



The next day the technician freezes another twelve aliquots from cell line A.

Since it is being used for the same batch, she puts them in the second row of Box1, and scans the whole box.

The Freezer Web Access system recognizes that the barcoded tubes in row 1 of the box have already been added to the database. The system uses the metadata for the samples in the first row.



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| ezer Web Access Demo Site - Dashboard Requests & QC Cell Culture Configuration Help S | ign Ou |
| Calendar Add Batch Add Samples Batches Freezers Kits Search Removal Logs More + Barcode, Terms or | Box |
| Fill out Batch Information | |
| Batch * 1178 An incremented value for the last numeric Batch Project Kir2.1-CHO Catalog Number CT4127 Parent Batch | |
| Private No Volume Unit of measurement Threshold Expiration date | |
| Import unique sample ID | |
| Upload Excel spreadsheet or text file from 2D barcode scanner 📩 | |
| and select a box in Select Container Section File format: Rack: comment in the first line A01,01234567 B01,01234568 C01,No Tube | |
| Vial Placement | |
| Total Number of Vials * 24 Find empty consecutive spaces within a Rack (Select a Rack to start the search) | |

Open the Add Batch tab. In Fill out Batch Information section fill out the Batch field and press Find Batch image. The system finds batch information. Upload a text file from 2D barcode scanner and select a box.





Scroll down the page. Press Add Batch Button.



| occanoscio | 000/1110/10 | cooxi type - c | omenar age – o | | | | | bearen | | | | | |
|-------------------------------------|-------------------------|---------------------------|----------------------------------|-----------|----------------|------------|----------------|----------|------------|-----------|-----------|-------|--|
| | | | | Box2->Rac | k1->Liquid | Nitrogen T | ank 1, -125 | C->Rockv | ille (24) | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | 25 | 33 | 41 | 49 | 57 | 65 | 73 | 81 | 89 | |
| в | | | | 26 | 34 | 42 | 50 | 58 | 66 | 74 | 82 | 90 | |
| Batch Project | | 1178 Kir2.1-0 | сно | | | 43 | 51 | 59 | 67 | 75 | 83 | 91 | |
| Catalo Sample Technie Date | g Numbe Type cian | Custon Admin 2018-1 | , ner Cell Line 2-15 21:26 | 5 | | 44 | 52 | 60 | 68 | 76 | 84 | 92 | |
| Barcod | e | BP1100 | 00417BX1 | | | 45 | 53 | 61 | 69 | 77 | 85 | 93 | |
| F | | | | 30 | 38 | 46 | 54 | 62 | 70 | 78 | 86 | 94 | |
| G | | | | 31 | 39 | 47 | 55 | 63 | 71 | 79 | 87 | 95 | |
| Н | | | | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 | |
| Update F | ositions | 🗖 Add r | new Vials | Add new \ | /ials to Batch | n 🛃 Add V | /ials to Batch | Remo | ve Vials 📑 | Box Layou | t 🔔 Expor | t CSV | |

Open the Freezers tab. The box "Box1" has 24 samples. Move a mouse over a vial. The system opens a popup window.



After removing a sample from a box, the technician drops the box on the floor and all the tubes scatter.

She quickly gathers them up and places them randomly back into the box.

She scans them and Freezer Web Access updates the new positions of all the tubes within the box.



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| eezer Web Access | Demo Site 👻 Das | hboard Reques | ts & QC Cell C | ulture Configu | ration Help | | Sign Ou |
| Calendar Add Batch | Add Samples Batch | nes Freezers | Kits Search | Removal Logs | More > | Barcode, T | erms or Box |
| Fill out Batch Information | | | | | | | |
| Batch*1178ProjectKir2.1-CCatalog NumberCT4127Parent Batch* | An increm | ented value for the | alast numeric Batc | h | | | |
| Private No 💙 Volume Threshold Fields marked with (*) are | Unit of measuremer Expiration date | nt | | | | | |
| Import unique sample ID | | | | | | | |
| Upload Excel spreadshe and select a box in Select | et or text file from 2D Container section | barcode scanner | * | | | | |
| File format: Rack: comment in the first A01,01234567 B01,01234568 C01,No Tube | : line | | | | | | |
| Vial Placement | | | | | | | |
| Total Number of Vials * Generate consecutive s | Find e | mpty consecutive | spaces within a | Rack (Select a F d press Start butt | Rack to start th | ne search) | |

Open the Add Batch tab. In Fill out Batch Information section fill out the Batch field and press Find Batch image. The system finds batch information. Upload a text file from 2D barcode scanner and select a box. Scroll down the page. Press Add Batch Button. The system updates the new positions.





The user can update the new positions of all the tubes within the box. Open Freezers tab. In Select Container section navigate freezers using container layout. Filled spaces have dark blue color and empty spaces have light blue color, select empty space with a mouse click.





In Container Layout section press Update Positions image. The system opens Update the positions of all the tubes within the box window. Press Upload Excel spreadsheet or text file from 2D barcode scanner image and select a file. The system updates the new positions of all the tubes within the box.



A technician needs to extract RNA from multiple samples that are located in multiple different boxes. She logs onto the Freezer Web Access system and searches for the necessary samples. She has multiple search options.

First, she can type some terms into a free form box that will search all the fields of all the entries and return the results.

Second, she can specify specific parameters for as many fields as she thinks will be necessary to return only the needed samples.

She can then easily export these results to a file (e.g. csv) and print them out for when she goes to the freezer.

Furthermore, if she often makes similar searches, she can save the search under a specific name and easily reload these search parameters at a later time.



| C Freezer Web Access × + | | | | | | | |
|---|--|----|--------|---|---|---|----------|
| O localhost:8080/fwa/reports?type=9&menuPage=0 | C Search | ☆自 | + | ⋒ | ÷ | © | ≡ |
| Fill out search parameters | | | | | | | <u> </u> |
| Location All Batch Project Catalog Number | Date range | |] | | | | |
| Any Field Technician All Shipping Comment | Barcode range Shipping Date range | |)) | | | | |
| Sample Type Customer Cell Lines Image: Customer Cell Lines Freeze date 2018-12-15 Final Passage number Image: CNG Target Family Target Family CNG Target Family Detachment Solution Image: CNG Target Family Freezing Media Image: Customer Cell Line IC Validation Image: Cell Line Parental Cell Line Image: Line Vector Image: Cell Line | None C PatchX C QPatch C Quattr G C None HEK HEK-T(Rex) RH7777 | 0 | | | | | |
| Saved Search Queries Show expired vials or vials that have volume less than three Validation Platforms Show/Hide columns Search Export Quick Inventory Cancel | hold value. | | | | | | |

Open the Search tab. Freezer Web Access tracks the locations of all samples so that anyone in the lab can easily find a needed sample, even if the person that created the sample left the lab years ago.



| Freezer Web Access × + | | | | | | | |
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| l localhost:8080/fwa/reports?type=98menuPage=0 | C ^e Q Search | ☆ 自 | ÷ | ⋒ | ÷ | C | ≡ |
| Fill out search parameters | | | | | | | - |
| Location All Batch Project bom Catalog Number Any Field Bombesin 2 (GRPR) Technician All Shipping Comment Sample Type Customer Cell Lines Freeze date 2018-12-15 Final Passage number Freezing Media Detachment Solution Freezing Media IC Validation Barracuda C FLIPR C M GPCR Validation Binding Catelum C CHO | Date range Date range Number of samples Sarcode range Shipping Date range Shipping Dat | 0 |))))) | | | | |
| □ Vector Saved Search Queries □ Show expired vials or vials that have volume less Validation Platforms Show/Hide columns Search Export Quick Inventory Cancel | han threshold value. | | | | | | |

The user can narrow down a selection by adding search criteria from the text fields and pop-up menu. Batch, Project and Catalog Number fields provide autocomplete suggestions.



| eezer web Access | Ŧ | | | | | | _ |
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| localhost:8080/fwa/reports?ty | e=98menuPage=0 | C Q Seard | h | ☆ 🖻 💟 | ♣ 🏫 | * 📀 | ≡ |
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| | Name 🕈 | Batch | Project | Catalog Number | Added | | |
| | | | | | | | |
| Remove Search Qu Search Name | ery | | | No | records to vi | iew | |

The user can save similar searches under a specific name and easily reload these search parameters at a later time.



| Parenta | I Cell Line | П 1321N1 П с | но Па | HO-T(R | ах) Пнек | | ex) 🗆 RH73 | 777 | | | _ | _ | | |
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| Coloct Vial | | | | | ⊙ Ope | n with Microso | ft Office Excel (d | efault) | | - | | | | |
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| View Sample | ✓ Edit Samp | le 🖙 Sample Activity | Show | Box 1 | Update Vial I | nformation 4 | Decrease Vol | ume 📾 | Docum | ents | | Vi | ew 1 - 10 | 0 of 264 |
| , that cample | , Late Damp | | 2 0.15W | | | 1 | 2 30,0000 101 | | 200011 | | | VI | | 0 01 204 |

Press the Export button. The system exports results to a commaseparated values (CSV) file.



After a study has been published, the raw files generated from the sequencer were uploaded to the Sequence Read Archive (SRA).

A technician chooses the option to add a new field and names it "SRA".

She opens the batch used in the study. Freezer Web Access displays the samples in the spreadsheet-like format. She then copy pastes the URL into the SRA field for these samples. In the future, she can add links to the "SRA" field as other projects are published.



| localhost:8080/fwa/listTypes?structuregroup_id=12&type=3 | | C Q Search | ☆ 自 ♥ |) 🖡 🏦 🦗 😁 |
|---|----------------|----------------|---------------------|-----------------|
| A Configuration Demo Site - Dashboa | ard Components | Requests & QC | Cell Culture Help | Sign O |
| Sites Containers Freezers Sample Types | Procedures In | nages Settings | Barcodes Users | Activity Log |
| | | | | , , |
| | | | | |
| * Add Sample Type | | | | |
| Customer Cell Lines (5 batches and 424 samples) | | | | |
| Sample Type Name Customer Cell Lines Barcode P | refix BP1 | Save | | |
| | | | | |
| Sample Type Image | | | | |
| | | 0 0 | 0 0 | |
| | 🥯 🖊 🥯 | | 88 88 (| |
| | | | | |
| | Limp View | Required | Display in the well | Active |
| Add Column | * Text | No | No | Yes |
| Column Name * SRA | Text | No | No | Yes |
| Column Type String 🔻 | Select | No | No | Yes |
| | Text | No | No | Yes |
| Required | Text | No | No | Yes |
| Display in the well | Radio | No | No | Yes |
| | heckbox | No | No | Yes |
| E Submit × Can | heckbox | No | No | Yes |
| Fields marked with (*) are required | Text | No | No | Yes |
| + Add Column 🧨 Edit Column 🗅 View Column 🗄 🌼 | | | | View 1 - 9 of 9 |
| | | | | |
| Customer (0 batches and 0 samples) | | | | |

Select the Configuration menu at the top of the screen and open the Sample Types tab. Select Customer Cell Lines and press the Add Column button in the navigation bar. Type SRA name and press Submit button.



| A C | Configuration | Demo Site - Dash | board Components | Requests & QC | Cell Culture Help | Sign C |
|------------|---------------------------------------|-------------------------|------------------|-----------------|---------------------|--------------|
| | | | | | | |
| Site | es Containers Fre | ezers Sample Typ | es Procedures | Images Settings | Barcodes Users | Activity Log |
| anag | ge Cell Line Groups | | | | | |
| ► A | dd Sample Type | | | | | |
| • (| ustomer Cell Lines (5 ba | tches and 424 samples |) | | | |
| _ | | | , | | | |
| 5am | ple Type Name Custome | er Cell Lines Barcod | e Prefix BP1 | Save | | |
| | | | | | | |
| Sam | iple Type Image 🔵 | | | | | |
| | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | 0 0 0 | 0 0 | |
| 0 | 2 🔊 🔰 | XX 🗊 🜗 | ג 🔝 🌽 ג | | | |
| | | W V | | | | |
| | | | | | \frown | |
| | Column Name | Column Type | Column View | Required | Display in the well | Active |
| 1 | Freeze date | Date | Text | No | No | Yes |
| 2 | Final Passage number | String | Text | No | No | Yes |
| 3 | Target Family | String | Select | No | No | Yes |
| 4 | Detachment Solution | String | Text | No | No | Yes |
| 5 | Freezing Media | String | Text | No | No | Yes |
| 6 | IC Validation | String | Radio | No | No | Yes |
| 7 | GPCR Validation | String | Checkbox | No | No | Yes |
| 8 | Parental Cell Line | String | Checkbox | No | No | Yes |
| 9 | SRA | String | Text | No | No | Yes |
| 10 | Vector | String | Text | No | No | Yes |
| | | | | | | |

The system adds a new sample column. Drag and drop a column to change its order. A column may have different types: String, Integer or Date, and views: Text, Select, Checkbox, Radio or AutoIncrement.



| y local lost obsolved list ypesis | ructuregroup_id=12&type=3 | | C Search | ¥ ₪ | ∀ ₩ ₩ € |
|-----------------------------------|---------------------------|--|----------------|-------------------|-----------------------|
| Configuration | Demo Site 👻 Dashbo | oard Components | Requests & QC | Cell Culture Help | Sign |
| Sites Containers Fi | reezers Sample Types | Procedures Ir | mages Settings | Barcodes Users | Activity Log |
| nage Cell Line Groups | | | | | |
| Add Sample Type | | | | | |
| Customer Cell Lines (5 h | atches and 424 samples) | | | | |
| ample Type Name Custor | mer Cell Lines Barcode | Add Column | | × | |
| ample Type Image | | Column Name * Column Type S Column View C Required Display in the well | tring | | |
| Column Name | Column Type | Default Values | | well | Active |
| 1 Freeze date | Date | | 🕼 | | Yes |
| 2 Final Passage number | String | | (* | | Yes |
| 3 Target Family | String | | | | Yes |
| 4 Detachment Solution | String | | | | Yes |
| 5 Freezing Media | String | | | | Yes |
| 6 IC Validation | String | | e out | nit & Canaal | Yes |
| 7 GPCR Validation | String | | e subr | Cancer | Yes |
| 8 Parental Cell Line | String | Fields marked with (*) | are required | | Yes |
| 9 SRA | String | Text | No | No | Yes |
| .0 Vector | String | Text | No | No | Yes |
| Add Column & Edit Colum | n 🗅 View Column 🚸 | | | | View 1 - 10 of 10 |

For column view Select, Checkbox or Radio a user can add multiple default values. AutoIncrement column view generates consecutive ID numbers, character sequences or characternumeric sequences.



| | wataooo/iwajbataiesrtype=36menuPa | | | | ¥ | | | |
|-----------------------------------|---|-------------------------|---------------------|--------------------------------|--|------------------------------|-----------|--------------|
| ezer V | Veb Access Demo | Site - Dashboard | d Requests & (| QC Cell Cultu | ire Configuratio | on Help | | Sign |
| | Reset Vials Information | | | | | | > | د 📃 |
| Calend | 🗖 Freeze date | 2013-03-08 | | | | | | erms |
| | 🗌 Final Passage number | P16 | | | | | | |
| Track | Target Family | CNG Target Family | • | | | | | |
| Show | Detachment Solution | | | | | | | |
| Select | | | 20 | | | | | 6 |
| Perecc | | 90% FBS + 10% DMS | | - | | | | hipped |
| | | Barracuda C FLIP | R C Manual C I | None C PatchX | C QPatch C Qua | attro | | |
| Kir2. | GPCR Validation | 🗆 Binding 🗹 Calciun | | G 🗆 None | | | | 0 |
| 2 Kir2. | Parental Cell Line | □ 1321N1 СНО | CHO-T(Rex) | нек 🗆 нек-т(р | ex) 🗖 RH7777 | | | 1 |
| Bom | t 🗹 SRA | /sra/sra-instant/read | ds/ByRun/sra/SRR/S | RR304/SRR3049 | 76/SRR: | | | 12 |
| 4 Bom | Vector | | | | | | | 0 |
| NICOL | Private | No 🔻 | | | | | | 100 |
| | 🗆 Volume | | | | | | | |
| | Unit of measurement | | | | | | | |
| | Threshold | | | | | | | |
| | Expiration date | | | | | | | |
| | | | | | | | | _ |
| View | - | | | | s | ave Changes | Close | 1 - 5 of 5 |
| | Viai | | | | | | | <i>//.</i> c |
| Select | catio Box F C Dc Barcod Priv | ate Volume Unit of Thre | eshi Expirat Freeze | Final Pa Target D | etach Freezin IC Vali | GPCR \ Pa | renta SRA | Vector |
| Select | | | | All 💌 | All 💌 | | | |
| Select Lo | u 💌 💶 👘 👘 💷 | | | | | | | 1 |
| Select Lo A 1 Ro | xII ▼ pckvill Box2-> C 5 0 BP1100 N | lo | 2013-03 | P16 CNG Ta T | ypsin 90% FB Barrac | u Calcium CH | 0 | |
| Select Lo A 1 Ro 2 Ro | III III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | 2013-03 | P16 CNG Ta Ti P16 CNG Ta Ti | rypsin 90% FB Barrac rypsin 90% FB Barrac | u Calcium CH u Calcium CH | 0 | |

Select the Components at the top of the screen. You are redirected to the Batches tab. Select a batch and press Reset Vials button in the navigation bar. Select SRA field and paste the URL into the SRA field. Press Save Changes.



| U localnost:8080/IWa/batches?type=38m | enuPage=0 C Q Search 🗘 🗎 💟 | 2 🕂 | ^ | O |
|---|--|--|---------------------|--------|
| Select Batch | | | | 0 |
| Project Catalog Numb | Batch Parent Batch QC Requir Sample Type Technician Date Documen Total V | /ial Remain | nin Shipp | ed |
| | | | | |
| istomer Cell Lines | ، | × 64 | 0 | |
| Batch | 1177 | 63 | 1 | |
| roject | Kir2.1-CHO | 108 | 12 | |
| Catalog Number | CT4127 | 40 | 0 | _ |
| rechnician | Admin | 0 | 100 | |
| Barcode | BP11000261BX1 | | | |
| | | | | |
| reeze date | 2013-03-08 | | | |
| inal Passage number | P16 | | | |
| arget Family | | | | |
| arget runny | CNG Target Family | | | |
| Detachment Solution | CNG Target Family | es | View 1 - | 5 of 5 |
| Petachment Solution | CNG Target Family Trypsin 90% FBS + 10% DMSO | es | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media C Validation | CNG Target Family Trypsin 90% FBS + 10% DMSO Barracuda C FLIPR C Manual C None C PatchX C QPatch C Quattro | es | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation | CNG Target Family Trypsin 90% FBS + 10% DMSO Barracuda C FLIPR C Manual C None C PatchX C QPatch C Quattro Binding C Calcium C AMP C CNG None | es nta SF | View 1 - RA Vect | 5 of 5 |
| Detachment Solution Freezing Media C Validation SPCR Validation Parental Cell Line | CNG Target Family Trypsin 90% FBS + 10% DMSO Barracuda C FLIPR C Manual C None C PatchX C QPatch C Quattro Binding C Calcium C AMP C CNG None 1321N1 C CHO C CHO-T(Rex) HEK HEK-T(Rex) RH7777 | es nta SF | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation GPCR Validation Parental Cell Line GRA | CNG Target Family ▲ Trypsin 90% FBS + 10% DMSO Ø Barracuda C FLIPR C Manual C None C PatchX C QPatch C Quattro Binding C Calcium C cAMP C CNG C None 1321N1 C CH0 C CHO-T(Rex) HEK HEK-T(Rex) RH7777 /sra/sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR3 | es nta SF /sra /sra | View 1 - RA Vect | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA fector | CNG Target Family ▲ Trypsin 90% FBS + 10% DMSO Ø Barracuda C FLIPR C Manual C None C PatchX C QPatch C Quattro Binding C Calcium C cAMP C NG C None 1321N1 C CHO C CHO-T(Rex) HEK HEK-T(Rex) RH7777 /sra/sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR | es nta SF /sra /sra | View 1 - RA Vect | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA | CNG Target Pamily ▲ Trypsin 90% FBS + 10% DMSO Ø Barracuda C FLIPR C Manual C None C PatchX C QPatch C Quattro Binding C Calcium C cAMP C NG C None 1321N1 C CHO C CHO-T(Rex) HEK HEK-T(Rex) RH7777 /sra/sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR | es nta SF /sra /sra /sra | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA /ector | CNG Target Family ▼ Trypsin 90% FBS + 10% DMSO Ø Barracuda ○ FLIPR ○ Manual ○ None ○ PatchX ○ QPatch ○ Quattro □ Binding ▼ Calcium □ cAMP □ CNG □ None □ 1321N1 ▼ CH0 □ CH0-T(Rex) □ HEK □ HEK-T(Rex) □ RH7777 /sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR3 | es Inta SF /sra /sra /sra /sra | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA /ector Private No | CNG Target Family ▼ Trypsin 90% FBS + 10% DMSO | es Intz SF /sra /sra /sra /sra /sra | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA /ector Private No Sector Private No Sector (*) are required | CNG Target Family Trypsin 90% FBS + 10% DMSO © Barracuda ○ FLIPR ○ Manual ○ None ○ PatchX ○ QPatch ○ Quattro □ Binding ☑ Calcium □ cAMP □ CNG □ None □ 1321N1 ☑ CHO □ CHO-T(Rex) □ HEK □ HEK-T(Rex) □ RH7777 /sra/sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR3 d | es ntz SF /sra /sra /sra /sra /sra /sra | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA /ector Private No ields marked with (*) are require | CNG Target Family Trypsin 90% FBS + 10% DMSO © Barracuda ○ FLIPR ○ Manual ○ None ○ Patchx ○ QPatch ○ Quattro □ Binding ☑ Calcium □ cAMP □ CNG □ None □ 1321N1 ☑ CH0 □ CH0-T(Rex) □ HEK □ HEK-T(Rex) □ RH7777 /sra/sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR d | es htz SF /sra /sra /sra /sra /sra /sra /sra | View 1 - | 5 of 5 |
| Detachment Solution Freezing Media IC Validation SPCR Validation Parental Cell Line SRA /ector Private No :ields marked with (*) are require | CNG Target Family ▼ Trypsin 90% FBS + 10% DMSO © Barracuda ○ FLIPR ○ Manual ○ None ○ Patchx ○ QPatch ○ Quattro □ Binding ☞ Calcium □ cAMP □ CNG □ None □ 1321N1 ☞ CH0 □ CH0-T(Rex) □ HEK □ HEK-T(Rex) □ RH7777 /sra/sra-instant/reads/ByRun/sra/SRR/SRR304/SRR304976/SRR d d Save Changes Close | es | View 1 - | 5 of 5 |

The system updates the SRA field for all samples in the batch. A technician can update individual fields. Select a sample, in the sample navigation bar press the Edit Sample button.





For more information please read Freezer Web Access User Guide (Help link, upper right corner).

