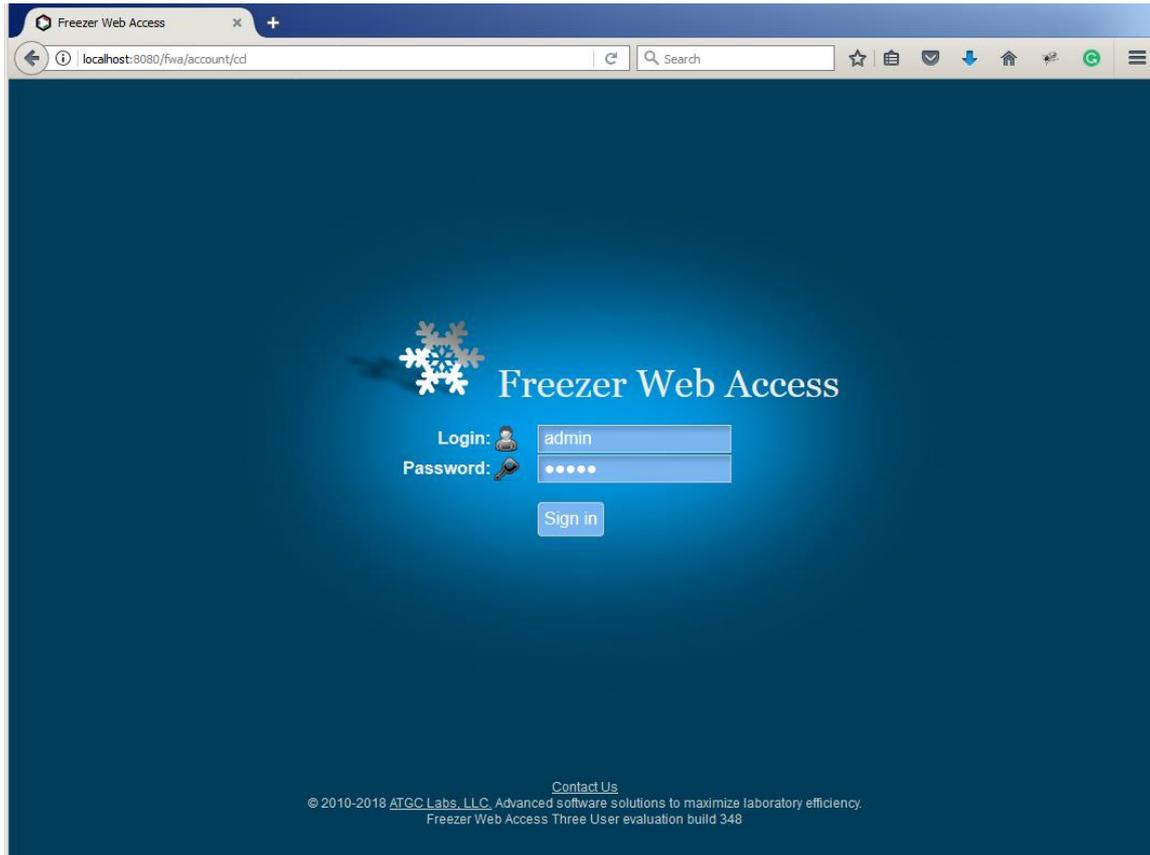


Freezer Web Access Quick Start Guide





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

Freezer Web Access

localhost:8080/fwa/batches?type=3

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples **Batches** Freezers Kits Search Removal Logs More Barcode or Terms

Track cell line lineage [Show/Hide columns](#)

Select Batch

	Project	Catalog Numb	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
1	Kir2.1-CHO	CT4127	1177		All	All	All	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

View + Add Edit Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 4 of 4

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You are redirected to the Batches tab after logging in.

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch

Track cell line lineage Show/Hide columns

Select Site: Demo Site

Select receiver: Test

Bern Box2->Rack1->-20 C->Bern

Select Batch Close

	Project	Catalog Number	Batch	Parent batch	QC Required	Sample Type	Technician	Date	Documents	Total Vial	Remainin	Shipped
1	Kir2.1-CHO	CT4127	1177		All	All	All	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

View + Add Edit Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 4 of 4

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Freezer Web Access supports multiple independent data sets, sites. To switch between sites, press the site name link in the top left corner. Switch to the Demo Site.

Freezer Web Access

localhost:8080/fwa/batches?type=3&menuPage=0

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples **Batches** Freezers Kits Search Removal Logs More Barcode or Terms

Track cell line lineage [Show/Hide columns](#)

Select Batch

	Project	Catalog Numb	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	All	All	All	<input type="text"/>				
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

View + Add Edit Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 4 of 4

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The Batches tab serves as the starting point for the Freezer Web Access system. The Batches tab allows you to view a list of batches that have been entered into the system or correct the details of an existing batch.

Freezer Web Access

localhost:8080/fwa/batches?type=3&menuPage=0

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples **Batches** Freezers Kits Search Removal Logs More Barcode or Terms

Track cell line lineage [Show/Hide columns](#)

Select Batch

	Project	Catalog Num	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
		A			All	All	All					
1	Bombesin 2 (G	A694	1506	869	No	Customer Cell	Admin	2013-03-10 18	0	120	108	12
2	Bombesin 2 (G	A694	869		No	Customer Cell	Admin	2013-03-10 17	0	40	40	0

View + Add Edit Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 2 of 2

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A list of batches and samples can be filtered by criteria on the top of the Batches grid.

Freezer Web Access

localhost:8081/fwa/batches?type=3&menuPage=0

	Location	Box	Rack	Al	Q	Barcode	Freeze Date	Final Pass	Target	Far	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2
6	Rockville	Box1->Rack	A	6	0	BP11000145	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
7	Rockville	Box1->Rack	A	7	0	BP11000146	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
8	Rockville	Box1->Rack	A	8	0	BP11000147	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
9	Rockville	Box1->Rack	A	9	0	BP11000148	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
10	Rockville	Box1->Rack	B	1	0	BP11000152	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
11	Rockville	Box1->Rack	B	2	0	BP11000153	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	

View Sample Edit Sample Sample Activity Show Box Documents View 1 - 108 of 108

Vial History

	Shipping	Comment	Date	Technician	Doc	Barcode	Freeze Date	Final Pass	Target	Far	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2
1	In-House	Bad Batch	2013-03-11	Admin	0	BP11000145	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
2	In-House	Bad Batch	2013-03-11	Admin	0	BP11000146	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
3	In-House	Bad Batch	2013-03-11	Admin	0	BP11000147	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
4	In-House	Bad Batch	2013-03-11	Admin	0	BP11000148	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
5	In-House	Bad Batch	2013-03-11	Admin	0	BP11000149	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
6	In-House	Bad Batch	2013-03-11	Admin	0	BP11000150	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
7	In-House	Bad Batch	2013-03-11	Admin	0	BP11000151	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
8	In-House	Bad Batch	2013-03-11	Admin	0	BP11000152	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
9	In-House	Bad Batch	2013-03-11	Admin	0	BP11000153	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
10	In-House	Bad Batch	2013-03-11	Admin	0	BP11000154	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	
11	In-House	Bad Batch	2013-03-11	Admin	0	BP11000155	2013-03-07	P11	GPCR Targ	Trypsin	90% FBS	+	None	Calcium	CHO	pACS2	

View History Sample Activity Documents View 1 - 12 of 12

Batch Shipping Activity

	Location	Removed from	Rt	C	Barcode	Ship	Description	Shipping Date	Shipping	Comment	Technician	Date	Shipped
1	Rockville	Box1->Rack2->Liquid Nitro	H	12	BP11000235E	0		2013-03-10	Shipping	Shipped to Be Admin		2013-03-10 1	No
2	Rockville	Box1->Rack2->Liquid Nitro	H	11	BP11000234E	0		2013-03-10	Shipping	Shipped to Be Admin		2013-03-10 1	No
3	Rockville	Box1->Rack2->Liquid Nitro	H	10	BP11000233E	0		2013-03-10	Shipping	Shipped to Be Admin		2013-03-10 1	No
4	Rockville	Box1->Rack2->Liquid Nitro	H	9	BP11000232E	0		2013-03-10	Shipping	Shipped to Be Admin		2013-03-10 1	No
5	Rockville	Box1->Rack2->Liquid Nitro	H	8	BP11000231E	0		2013-03-10	Shipping	Shipped to Be Admin		2013-03-10 1	No

Select the batch to view a list of all samples registered to any batch in the system. The program displays three grids of active and shipped vials, and a batch shipping activity grid.

Freezer Web Access

localhost:8080/fwa/batches?type=3

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples **Batches** Freezers Kits Search Removal Logs More Barcode or Terms

Track cell line lineage [Show/Hide columns](#)

Select Batch

	Project	Catalog Numb	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
1	Bombesin 2 (G A694		1506	869	No	Customer Cell	Admin	2013-03-10 18	0	120	108	12
2	Bombesin 2 (G A694		869		No	Customer Cell	Admin	2013-03-10 17	0	40	40	0

View + Add Edit Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 2 of 2

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The Freezer Web Access system tracks the lineage of samples, particularly frozen cells. Type a batch in the Track cell line lineage field.

Freezer Web Access

localhost:8081/fwa/batches?type=3&menuPage=0

Select Batch

	Project	Catalog Numb	Batch	Parent Batch	QC Requi	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
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	Nic											100

Lineage Tree

View

Select

1 F

2 F

3 F

4 F

5 F

6 F

7 F

8 F

9 F

10 F

11 F

View

Close

w 1 - 4 of 4

vector

:S2

108 of 108

Select a batch, in the navigation bar and press the Tree button.
The system opens lineage tree window with parent-child batch relationships.

Freezer Web Access

localhost:8081/fwa/batches?type=3&menuPage=0

Select Batch

Project	Catalog Numb	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
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	Nic										100

Manage Documents

Upload Document

Documents (0)

Close

View Edit Batch Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 4 of 4

Select Vial

Location	Box	R	C	Doc	Barcode	Freeze date	Final Passa	Target Fam	Detachmen	Freezing Me	IC Validatic	GPCR Valid	Parental Ce	Vector	
1	Rockville	Box1->Rack	A	1	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
2	Rockville	Box1->Rack	A	2	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
3	Rockville	Box1->Rack	A	3	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
4	Rockville	Box1->Rack	A	4	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
5	Rockville	Box1->Rack	A	5	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
6	Rockville	Box1->Rack	A	6	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
7	Rockville	Box1->Rack	A	7	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
8	Rockville	Box1->Rack	A	8	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
9	Rockville	Box1->Rack	A	9	0	BP1100014	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
10	Rockville	Box1->Rack	B	1	0	BP1100015	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
11	Rockville	Box1->Rack	B	2	0	BP1100015	2013-03-07	P11	GPCR Target	Trypsin	90% FBS +	None	Calcium	CHO	pACS2

View Sample Edit Sample Sample Activity Show Box Documents View 1 - 108 of 108

Freezer Web Access allows you to attach Word documents, Excel, PDF, images, and text files to the batches, shipments and samples. Select a batch, in the batches navigation bar press Documents button and upload a file for this batch.

Freezer Web Access

localhost:8081/fwa/batches?type=3&menuPage=0

				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

Batch Alerts and Notifications

Project	Catalog Numbe	Batch	Parent Batch	Alert	Notify	Alert Othe	Total Vials	Remaining	Technician	Added
No records to view										

+ Add Alert Stop Alert Open Batch

Project: Bombesin 2 (GRPR)
 Catalog Number: A694
 Batch: 1506
 Parent Batch: 869
 Total Vials: 120
 Remaining Vials: 108

Notification:

Comment:

Alert when the number of vials is less than

Automatic alerts allow you to manage stock supplies, contain all information necessary to locate the batch with the number of vials less than preset threshold. Select a batch, in the batches navigation bar press Alerts button.

Freezer Web Access

localhost:8081/fwa/batches?type=3&menuPage=0

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				2013-03-10 17	0	100	0	100

View Edit Batch Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 4 of 4

Select Vial

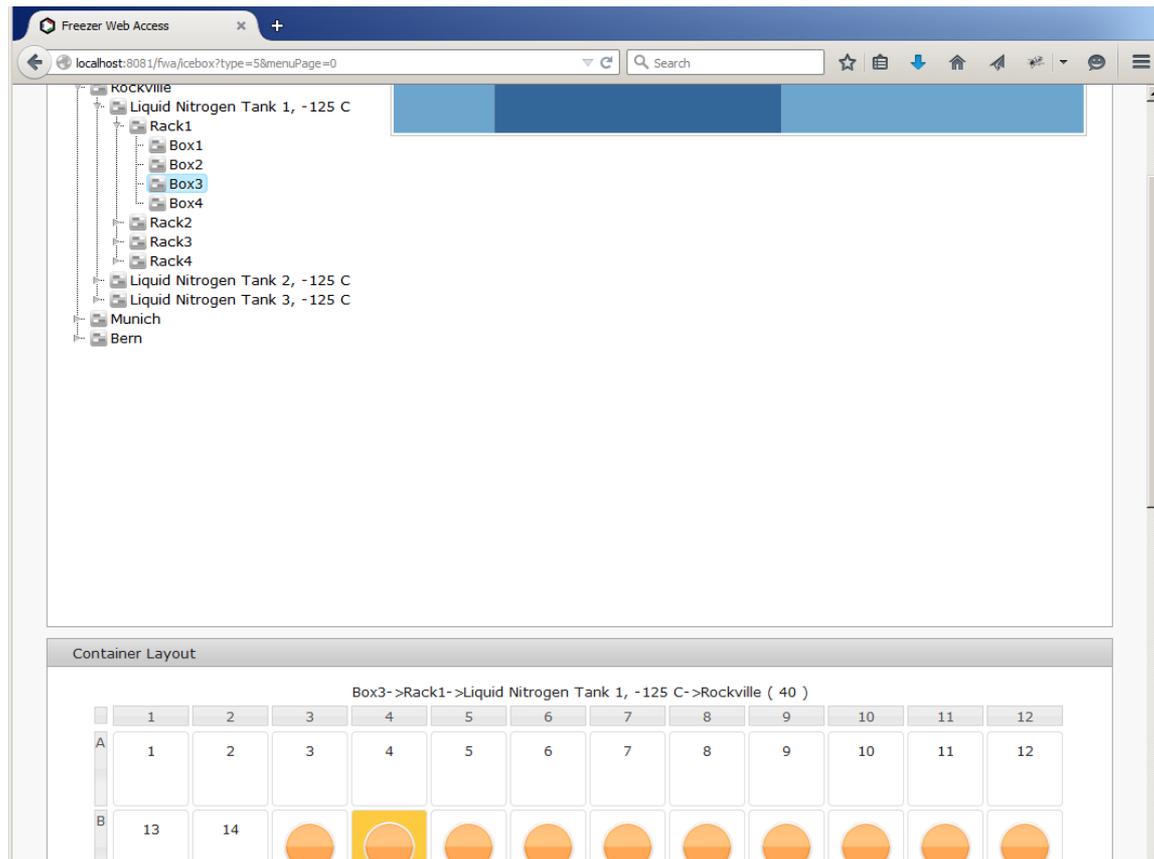
	Location	Box	R	C	Doc	Barcode	Freeze date	Final Passa	Target Fam	Detachmen	Freezing Me	IC Validatic	GPCR Valid	Parental Ce	Vector
All									All			All			
1	Rockville	Box3->Rack	B	3	0	BP1100010	2013-03-05	P9	GPCR Targe	Trypsin	90% FBS +	None	Calcium	CHO	pACS2
2	Rockville	Box3->Rack	B	4	0	BP1100010	2013-03-05	P9	GPCR Targe	Trypsin	90% FBS +	None	Calcium	CHO	pACS2

Container Layout

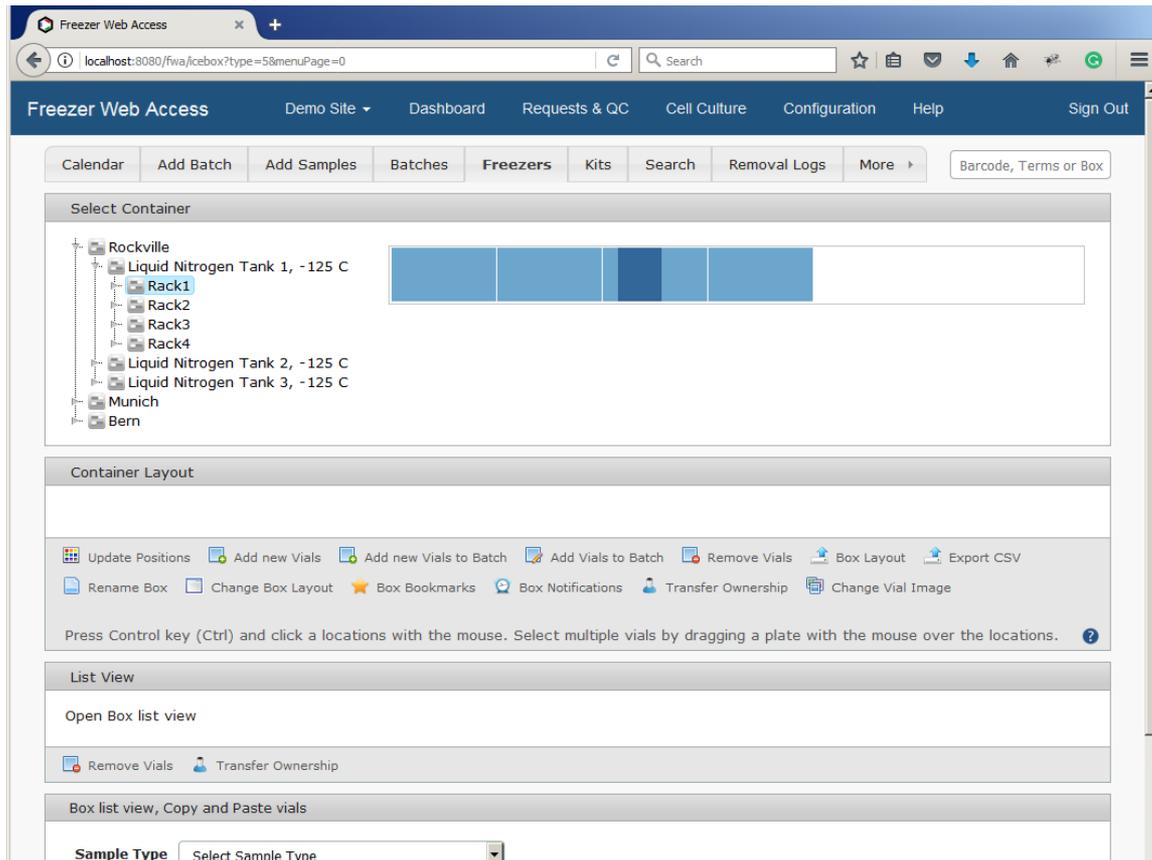
Box3->Rack1->Liquid Nitrogen Tank 1, -125 C->Rockville (40)

	1	2	3	4	5	6	7	8	9	10	11	12
A	1	2	3	4	5	6	7	8	9	10	11	12
B	13	14	○	○	○	○	○	○	○	○	○	○
C	○	○	○	○	○	○	○	○	○	○	○	○
D	○	○	○	○	○	○	○	○	○	○	○	○

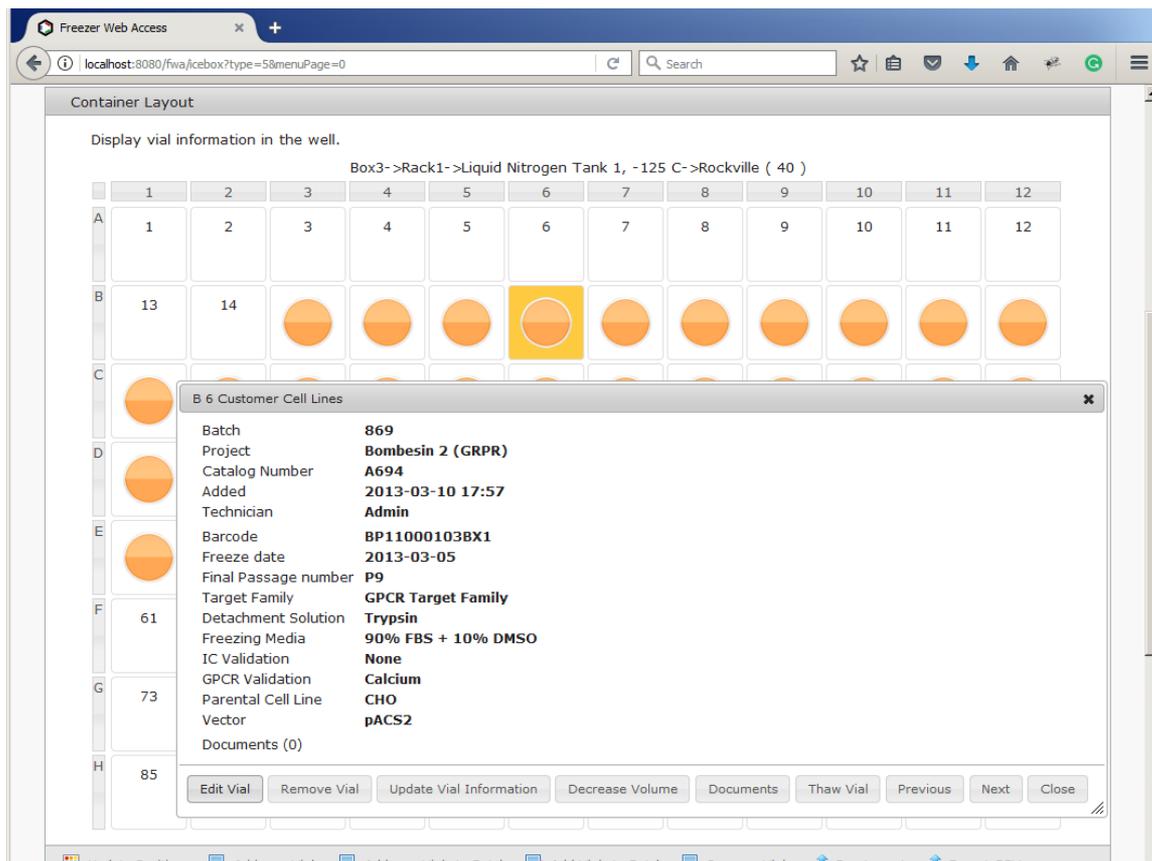
In Select Vials grid select a sample, in the navigation bar press Show Box button. The system opens Container Layout window, select a vial to navigate to the freezer.



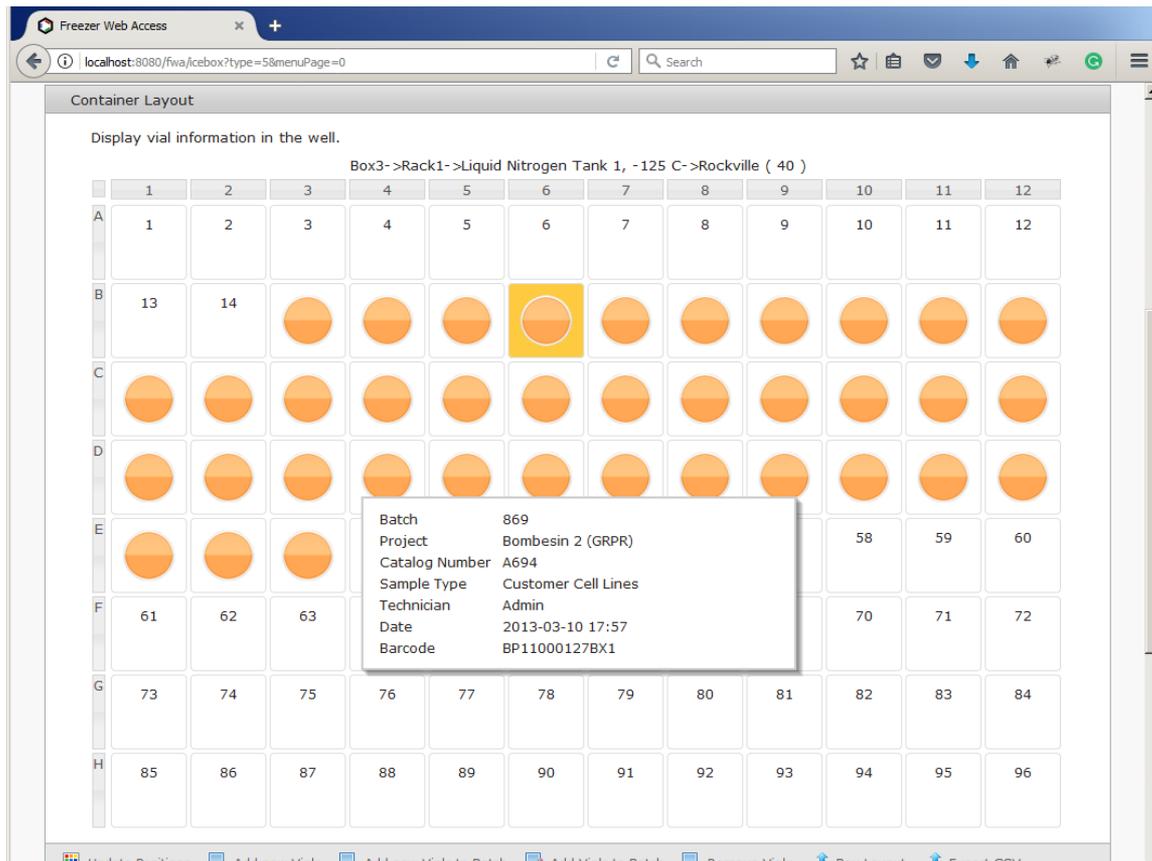
You are redirected to the Freezers tab. In Select Container section open a room, navigate freezers, open a rack and a box.



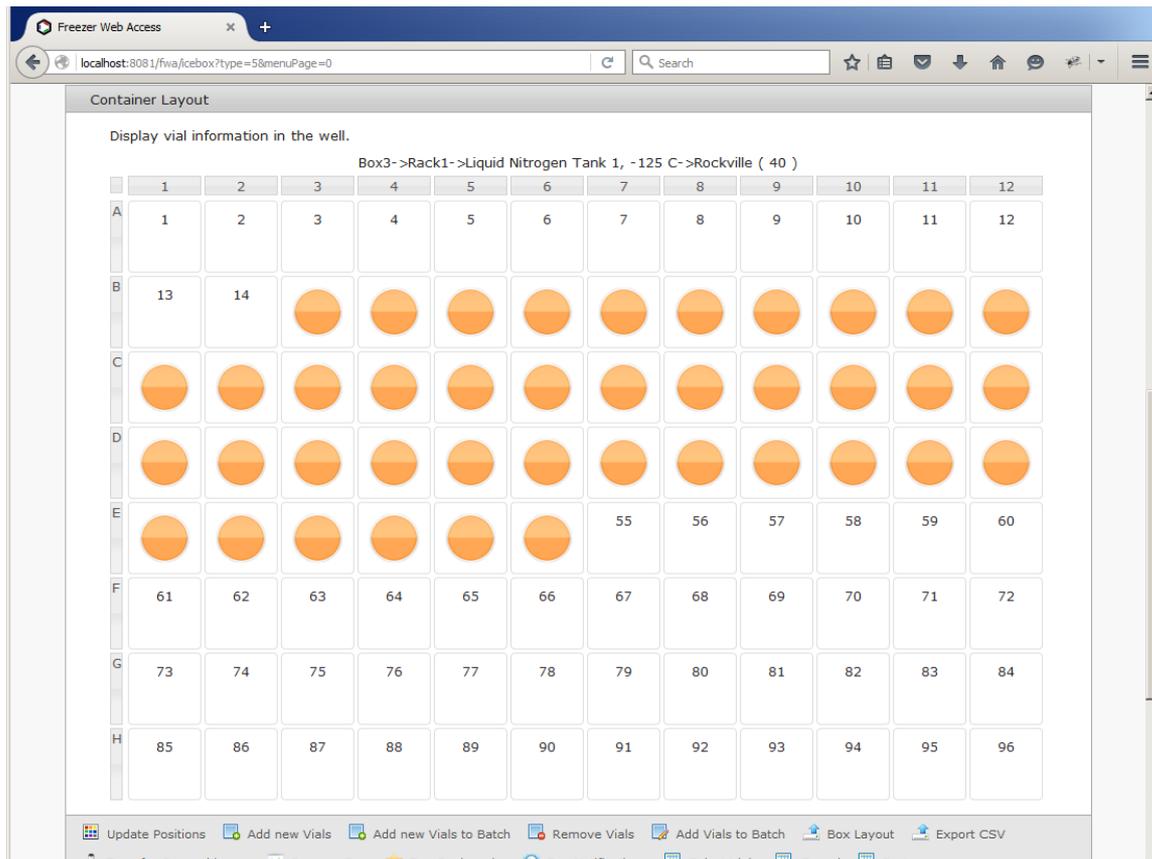
In Select Container section, navigate freezers using container layout. Filled spaces have dark blue color and empty spaces have light blue color, select filled space.



In the Container Layout section select a vial with the mouse click. The system opens Sample Information window. You can select another vial, Sample Information window is updated. Move or resize Sample Information window to let you view different vials as you select vials with the mouse.



Close the Sample Information window. Move a mouse over a vial.
The system opens a popup window.



To switch Container Layout to the information view press Display vial information in the well link.

Freezer Web Access

localhost:8081/fwa/icebox?type=5&menuPage=0

Container Layout

Display image in the well.

Box3->Rack1->Liquid Nitrogen Tank 1, -125 C->Rockville (40)

	1	2	3	4	5	6	7	8	9	10	11	12
A	1	2	3	4	5	6	7	8	9	10	11	12
B	13	14	BP1100010 Customer (Bombesin ; 869 AEG4									
C	BP1100011 Customer (Bombesin ; 869 AEG4	BP1100012 Customer (Bombesin ; 869 AEG4	BP1100012 Customer (Bombesin ; 869 AEG4									
D	BP1100012 Customer (Bombesin ; 869 AEG4	BP1100013 Customer (Bombesin ; 869 AEG4										
E	BP1100013 Customer (Bombesin ; 869 AEG4	55	56	57	58	59	60					
F	61	62	63	64	65	66	67	68	69	70	71	72
G	73	74	75	76	77	78	79	80	81	82	83	84
H	85	86	87	88	89	90	91	92	93	94	95	96

Update Positions Add new Vials Add new Vials to Batch Remove Vials Add Vials to Batch Box Layout Export CSV

To switch Container Layout back, to the image view press Display image in the well link.

Freezer Web Access

localhost:8081/fwa/batches?type=3&menuPage=0

Sample Information

Location Rockville
Box Box1->Rack2->Liquid Nitrogen Tank 1, -125 C->Rockville
Row A
Column 2
Documents 0
Barcode BP11000141BX1
Freeze date 2013-03-07
Final Passage number P11
Target Family GPCR Target Family
Detachment Solution Trypsin
Freezing Media 90% FBS + 10% DMSO
IC Validation None
GPCR Validation Calcium
Parental Cell Line CHO
Vector pACS2

Sample ID	Location	Box	Row	Column	Barcode	Freeze date	Final Passage	Target Family	Detachment Solution	Freezing Media	IC Validation	GPCR Validation	Parental Cell Line	Vector
1	Rockville	Box1->RackA	1	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
2	Rockville	Box1->RackA	2	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
3	Rockville	Box1->RackA	3	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
4	Rockville	Box1->RackA	4	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
5	Rockville	Box1->RackA	5	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
6	Rockville	Box1->RackA	6	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
7	Rockville	Box1->RackA	7	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
8	Rockville	Box1->RackA	8	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
9	Rockville	Box1->RackA	9	0	BP11000141	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
10	Rockville	Box1->RackB	1	0	BP11000151	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	
11	Rockville	Box1->RackB	2	0	BP11000151	2013-03-07	P11	GPCR Target	Trypsin	90% FBS + None	Calcium	CHO	pACS2	

View Sample | Edit Sample | Sample Activity | Show Box | Documents

Vial History

Shipping	Comment	Date	Technician	Doc	Barcode	Freeze date	Final Pass	Target Fam	Detachme	Freezing M	IC Validat	GPCR Vali	Parental C	Vector
----------	---------	------	------------	-----	---------	-------------	------------	------------	----------	------------	------------	-----------	------------	--------

Open the Batches tab, select a batch. In Select Vials grid select a sample, in the navigation bar press View Sample button. The system opens Sample Information window. Press Left and Right buttons to navigate samples.

Freezer Web Access

localhost:8080/fwa/batches?type=3&menuPage=0

Select Batch

Project	Catalog Numb	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
1 Kir2.1-CHO	CT4127	1177		All	All	All	2013-03-10 18	0	64	63	1

Customer Cell Lines

Batch: 1506
 Project: Bombesin 2 (GRPR)
 Catalog Number: A694
 Parent Batch: 869
 Added: 2013-03-10 18:00
 Technician: Admin

Barcode: BP11000144BX1
 Freeze date: 2013-03-07
 Final Passage number: P11
 Target Family: GPCR Target Family
 Detachment Solution: Trypsin
 Freezing Media: 90% FBS + 10% DMSO
 IC Validation: Barracuda FLIPR Manual None PatchX QPatch Quattro
 GPCR Validation: Binding Calcium cAMP CNG None
 Parental Cell Line: 1321N1 CHO CHO-T(Rex) HEK HEK-T(Rex) RH7777
 Vector: pACS2
 Private: No

Fields marked with (*) are required

Save Changes Close

View Sample Edit Sample Sample Activity Show Box Update Vial Information Decrease Volume Documents View 1 - 108 of 108

In Select Vials grid select a sample, in the navigation bar press Edit Sample button. The system opens Edit Sample window.

Freezer Web Access

localhost:8080/fwa/reports?type=9&menuPage=0

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples Batches Freezers Kits Search Removal Logs More Barcode or Terms

Fill out search parameters

Location All Batch Date range

Project Catalog Number Number of samples

Any Field Technician All Barcode range

Shipping Comment Shipping Date range

Sample Type Customer

Company/Organization

Customer Contact (name)

Freeze Date 2018-12-15

Number of Cells/Vial (in millions)

Passage Number

Saved Search Queries

Show expired vials or vials that have volume less than threshold value.

Validation Platforms

Show/Hide columns

Search Export Quick Inventory Cancel

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.

The screenshot displays the 'Freezer Web Access' application interface. The browser address bar shows 'localhost:8080/fwa/reports?type=98menuPage=0'. The application header includes 'Freezer Web Access', 'Demo Site', 'Dashboard', 'Requests & QC', 'Cell Culture', 'Configuration', 'Help', and 'Sign Out'. A navigation bar contains buttons for 'Calendar', 'Add Batch', 'Add Samples', 'Batches', 'Freezers', 'Kits', 'Search', 'Removal Logs', and 'More'. Below this is a 'Fill out search parameters' section with the following fields:

- Location: All (dropdown)
- Batch: (text field)
- Date range: (two text fields)
- Project: Bom (text field)
- Catalog Number: (text field)
- Number of samples: (text field)
- Any Field: Bombesin 2 (GRPR) (dropdown)
- Technician: All (dropdown)
- Barcode range: (text field)
- Shipping: (dropdown)
- Comment: (dropdown)
- Shipping Date range: (two text fields)
- Sample Type: Customer (dropdown)
- Company/Organization: (text field)
- Customer Contact (name): (text field)
- Freeze Date: 2018-12-15 (text field)
- Number of Cells/Vial (in millions): (text field)
- Passage Number: (text field)

Additional options include:

- Show expired vials or vials that have volume less than threshold value.
- [Validation Platforms](#)
- [Show/Hide columns](#)

At the bottom are buttons for 'Search', 'Export', 'Quick Inventory', and 'Cancel'.

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.

Freezer Web Access

localhost:8080/fwa/reports?type=9&menuPage=0

Location: All | Batch: | Date range: | |

Project: Bom | Catalog Number: | Number of samples: | |

Any Field: | Technician: All | Barcode range: | |

Shipping: | Comment: | Shipping Date range: | |

Sample Type: Customer Cell Lines

Freeze date: 2018-12-15

Final Passage number: |

Target Family: CNG Target Family

Detachment Solution: |

Freezing Media: |

IC Validation: Barracuda FLIPR Manual None PatchX QPatch Quattro

GPCR Validation: Binding Calcium cAMP CNG None

Parental Cell Line: 1321N1 CHO CHO-T(Rex) HEK HEK-T(Rex) RH7777

Vector: |

Saved Search Queries

Name	Batch	Project	Catalog Number	Added
No records to view				

Search Name: |

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

Freezer Web Access

localhost:8080/fwa/shipments?type=7&menuPage=0

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples Batches Freezers Kits Search Removal Logs More 102

Select Removal/Shipment

	Description	Shipping Date	Shipping	Comment	Technician	Shipped	Documen	Total Via	Receive	BP11000102BX1
					All				All	
1		2013-09-20	In-House	Thaw	Admin	2013-09-20 10:04	0	1		
2		2013-03-10	Shipping	Shipped to Bern	Admin	2013-03-10 18:11	0	24	Admin	2013-03-10 18:14
3		2013-03-10	In-House	Bad Batch	Admin	2013-03-10 18:11	0	12		
4		2013-03-12	Shipping	Shipped to Munic	Admin	2013-03-10 18:05	0	100		

View Shipment Documents Export Permanently Remove Samples View 1 - 4 of 4

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In Type Barcode field (top right corner of the screen) type a barcode or some term. The system searches all the fields of all the entries and returns the results. Select a sample from pop-up menu.

The screenshot displays the 'Freezer Web Access' web application. The browser address bar shows 'localhost:8080/fwa/shipments?type=7&menuPage=0'. The application header includes 'Freezer Web Access', 'Demo Site', 'Dashboard', 'Requests & QC', 'Cell Culture', 'Configuration', 'Help', and 'Sign Out'. A navigation bar contains buttons for 'Calendar', 'Add Batch', 'Add Samples', 'Batches', 'Freezers', 'Kits', 'Search', 'Removal Logs', and 'More'. A search box contains the text 'BP11000102BX1'. Below this is a 'Select Removal/Shipment' table with columns: Description, Shipping Date, Shipping, Comment, Technician, Shipped, Document, Total Via, Receive. A modal window titled 'Customer Cell Lines' is open, displaying the following information:

Batch	869
Project	Bombesin 2 (GRPR)
Catalog Number	A694
Added	2013-03-10 17:57
Technician	Admin
Barcode	BP11000102BX1
Freeze date	2013-03-05
Final Passage number	P9
Target Family	GPCR Target Family
Detachment Solution	Trypsin
Freezing Media	90% FBS + 10% DMSO
IC Validation	None
GPCR Validation	Calcium
Parental Cell Line	CHO
Vector	pACS2
Documents (0)	

At the bottom of the modal window are 'Show Box' and 'Close' buttons. The background table has a 'View S' button and a '1 - 4 of 4' indicator.

The system opens Sample Type view window with sample information. Press Show Box button to open Container Layout window, select a vial to navigate to the freezer.

Freezer Web Access

localhost:8080/fwa/subjects?request=3

FWA Requests & QC

Demo Site Dashboard Components Cell Culture Configuration Help Sign Out

Request Batch Request Vials Awaiting QC Validation Platforms

Barcode or Terms

Fill out Batch Information

Project * Start typing, the program will autocomplete the field

Catalog Number *

Batch * An incremented value for the last numeric Batch

Parent Batch

QC Required

Attach File

Sample Type *

Private

Volume Unit of measurement

Threshold Expiration date

Fields marked with (*) are required

Shipping Information

Shipping

Description

Shipping Date

Total Number of Vials *

The Freezer Web Access system allows to submit requests and to send email notifications to specific shipping personnel. The shipping personnel are dependent on the selected destinations. The system allows to initiate a batch by adding samples; create all expected samples for a Project without locations and export the barcodes for printing.

Freezer Web Access

localhost:8080/fwa/batches?type=3&menuPage=0

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples **Batches** Freezers Kits Search Removal Logs More Barcode or Terms

Track cell line lineage [Show/Hide columns](#)

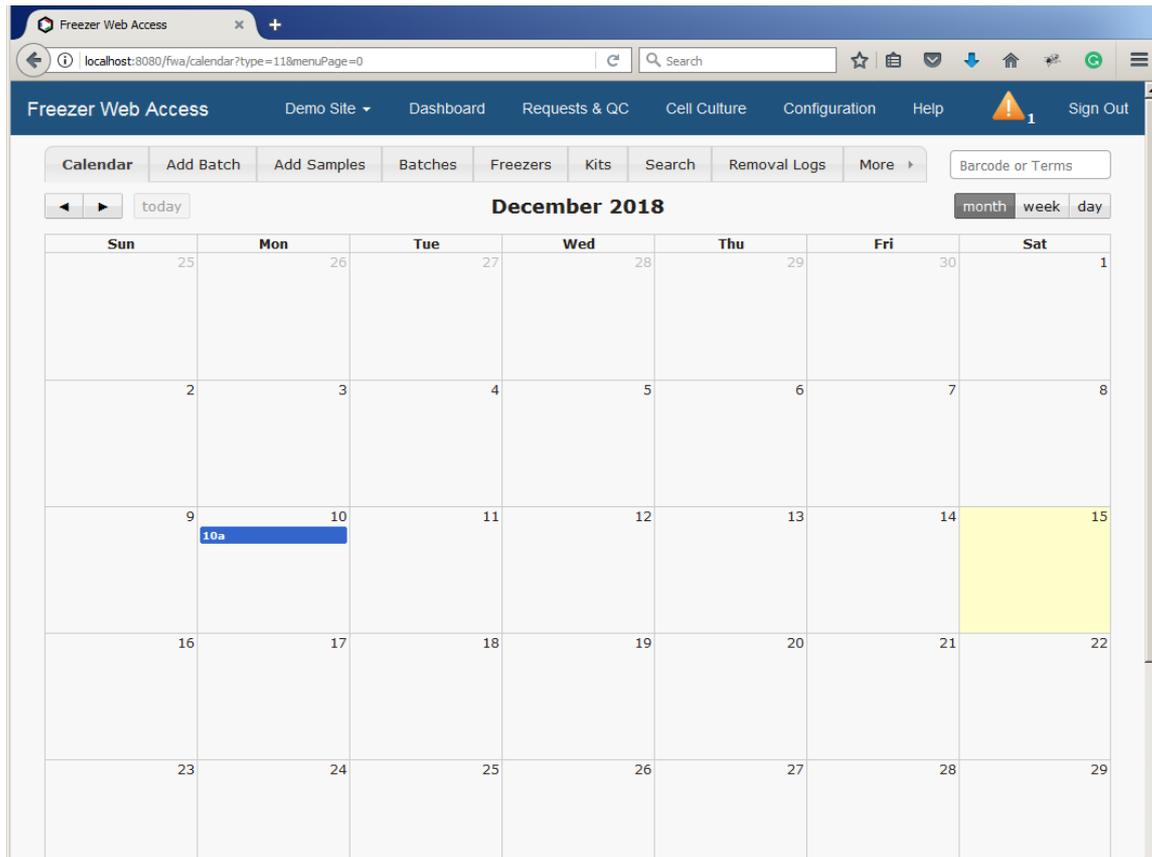
Select Batch

	Project	Catalog Num	Batch	Parent Batch	QC Requir	Sample Type	Technician	Date	Documen	Total Vial	Remainin	Shipped
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	All	All	All	<input type="text"/>				
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

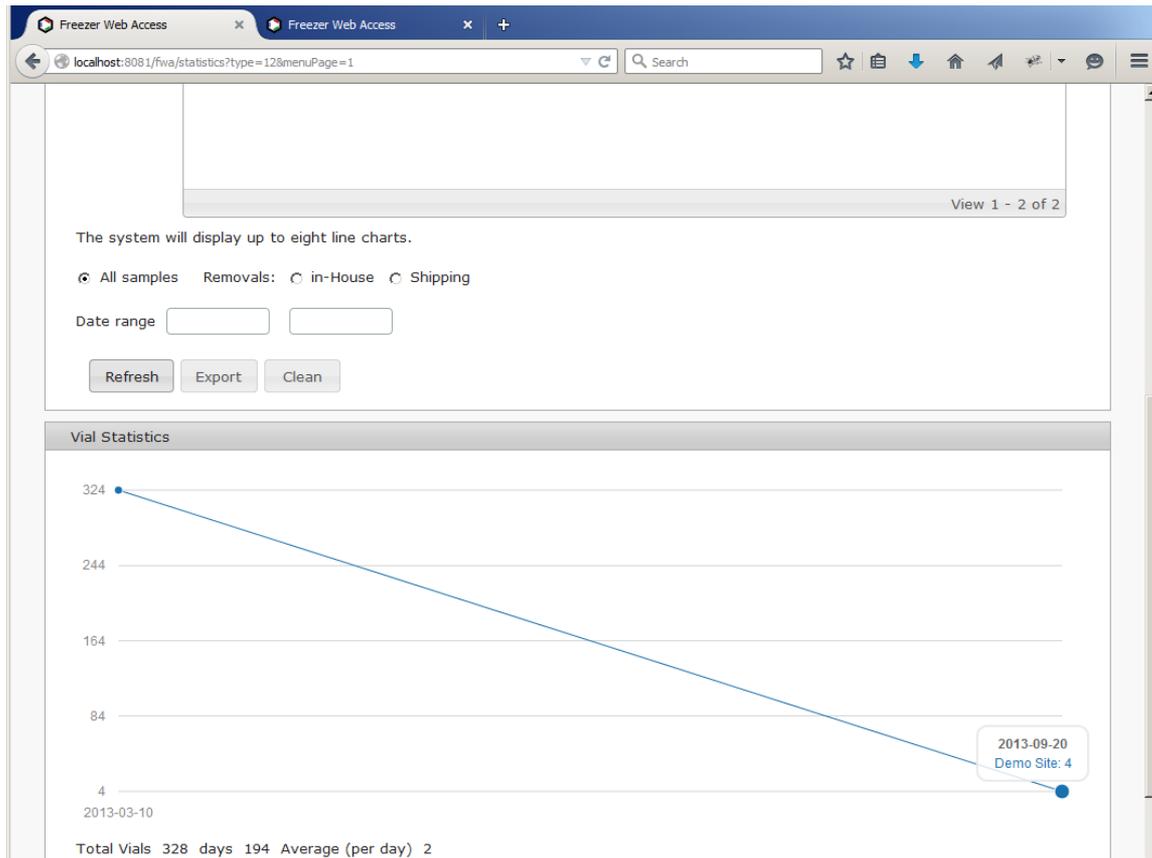
View + Add Edit Reset Vials Transfer Alerts Notifications Documents Tree Validation Export Barcodes View 1 - 4 of 4

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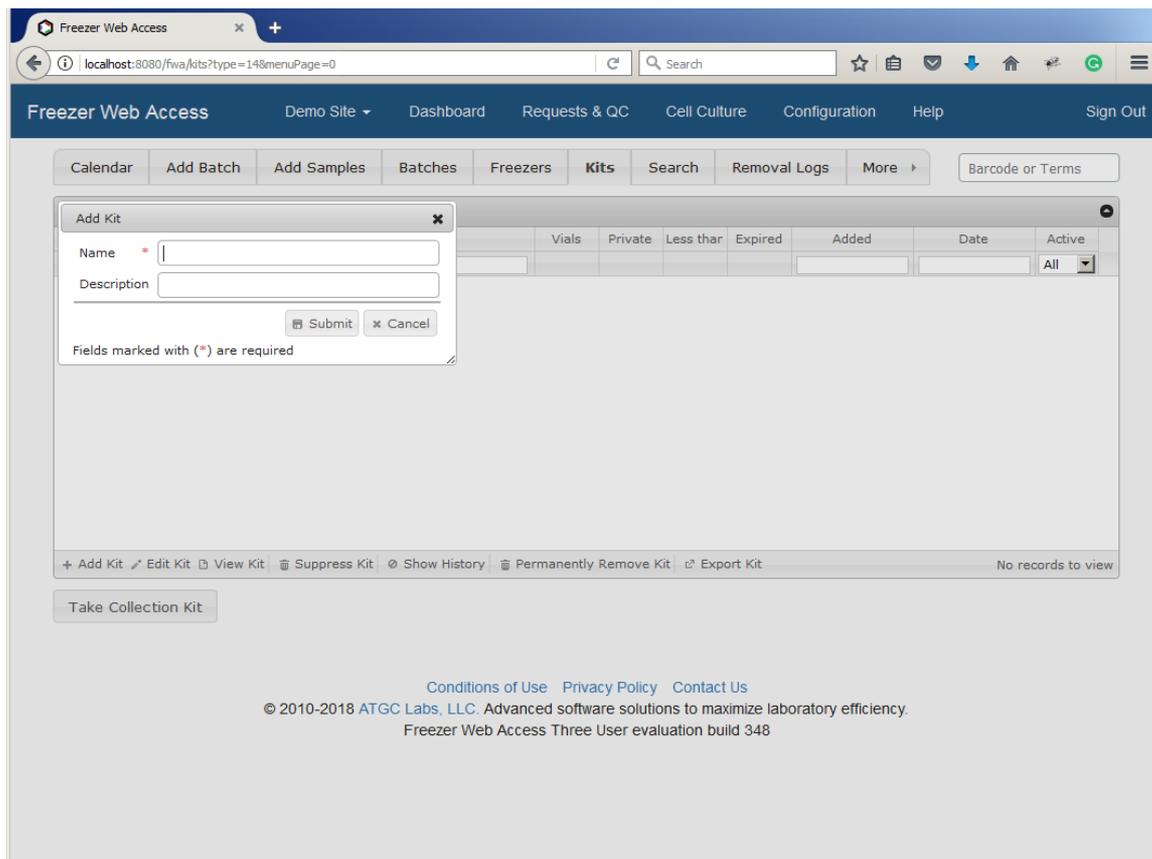
Automatic notifications and alerts allow to deliver a message to a recipient. The system displays notifications and alerts at the top of the screen at a given time.



Calendar feature allows to view a list of notifications and alerts that have been added into the system and navigate batches and freezer boxes. Open the Calendar tab. Use calendar buttons to switch month, week or day view and previous or next button for moving the calendar back and forward one month, week or day.



Select Statistics tab, you may need to press More tab button to open more tabs. Administrators and managers can use this feature to create vials usage line charts for different sites.



With Freezer Web Access a user can record and manage collection kit information - volume to be used in the kit, vial volume and measurement units, threshold value, expiration date. Open the Kits tab. To add a new collection kit press Add Kit button in the navigation bar.

Freezer Web Access

localhost:8081/fwa/reports?type=9&menuPage=0

Calendar Add Batch Add Samples Batches Freezers Kits Search Removal Logs More

Type Barcode or Term

Fill out search parameters

Location All Batch Date range

Project Catalog Number Number of samples

Any Field Technician Admin Barcode range

Shipping Not Shipped Comment Shipping Date range

Sample Type All Sample Types

Saved Search Queries

Show expired vials or vials that have volume less than threshold value.

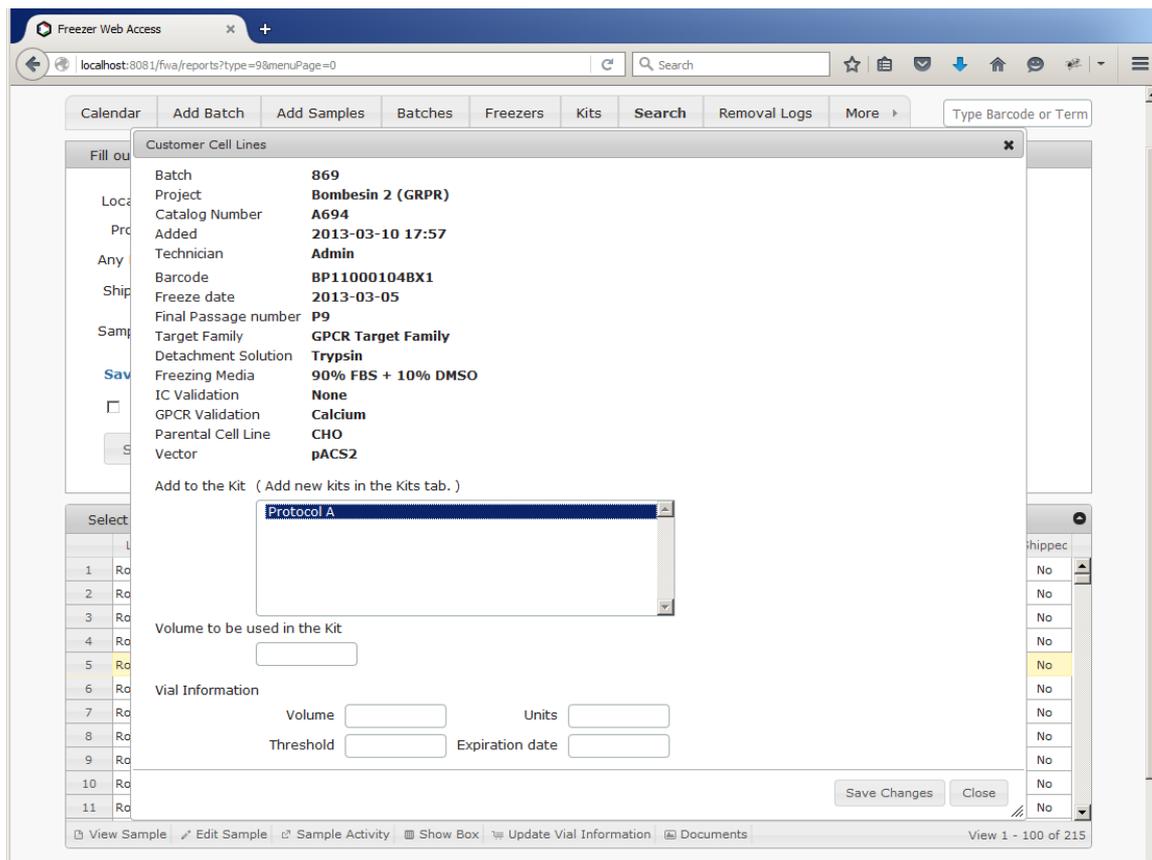
Search Export Quick Inventory Cancel

Select Vial

	Location	Box	Ri	C	Doc	Barcode	Project	Catalog Nur	Batch	Parent Batcl	Sample Typ	Kits	Technician	Date	Shippec
1	Rockville	Box3->Rack	B	3	0	BP11000100	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
2	Rockville	Box3->Rack	B	4	0	BP11000101	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
3	Rockville	Box3->Rack	B	5	0	BP11000102	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
4	Rockville	Box3->Rack	B	6	0	BP11000103	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
5	Rockville	Box3->Rack	B	7	0	BP11000104	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
6	Rockville	Box3->Rack	B	8	0	BP11000105	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
7	Rockville	Box3->Rack	B	9	0	BP11000106	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
8	Rockville	Box3->Rack	B	10	0	BP11000107	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
9	Rockville	Box3->Rack	B	11	0	BP11000108	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
10	Rockville	Box3->Rack	B	12	0	BP11000109	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No
11	Rockville	Box3->Rack	C	1	0	BP11000110	Bombesin 2	A694	869		Customer Ce	0	Admin	2013-03-10	No

View Sample Edit Sample Sample Activity Show Box Update Vial Information Documents View 1 - 100 of 215

Open the Search tab. Fill out search criteria, in the Shipping field select Not Shipped, and press Search button. Select a vial, and in the navigation bar press Update Vial information button. The system opens Collection Kit window.



Select a kit, fill out Volume to be used in the Kit field, fill out Vial Information section: Volume, Units, Threshold and Expiration date fields. Press Save Changes button. To edit vial information open Collection Kit window again. A user can add vials to a kit from Search, Batches and Freezers tabs.

Freezer Web Access

localhost:8080/fwa/reports?type=98menuPage=0

Freezer Web Access Demo Site Dashboard Requests & QC Cell Culture Configuration Help Sign Out

Calendar Add Batch Add Samples Batches Freezers Kits Search Removal Logs More Barcode or Terms

Fill out search parameters

Location All Batch Date range

Project Catalog Number Number of samples

Any Field Technician All Barcode range

Shipping Comment Shipping Date range

Sample Type All Sample Types

Saved Search Queries

Show expired vials or vials that have volume less than threshold value.

Validation Platforms

Show/Hide columns

Search Export Quick Inventory Cancel

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Open the Search tab. To show expired vials or vials that have volume less than threshold value check Show expired vials check box and press the Search button. The system filters expired vials and vials that have volume less than threshold value.

The screenshot shows the 'Freezer Web Access' application interface. The top navigation bar includes 'Demo Site', 'Dashboard', 'Requests & QC', 'Cell Culture', 'Configuration', 'Help', and 'Sign Out'. The main menu has tabs for 'Calendar', 'Add Batch', 'Add Samples', 'Batches', 'Freezers', 'Kits', 'Search', 'Removal Logs', and 'More'. A search bar is located on the right.

The 'Kits' tab is active, displaying a table with columns: Name, Description, Vials, Private, Less than, Expired, Added, Date, and Active. A single row is visible with the following data:

Name	Description	Vials	Private	Less than	Expired	Added	Date	Active
1 Experiment	Take Collection Kit						2018-12-15 17:13	Yes

A modal dialog box titled 'Take Collection Kit' is open, displaying the following information:

- Batch: **869**
- Project: **Bombesin 2 (GRPR)**
- Catalog Number: **A694**
- Parent Batch:
- Barcode: **BP11000102BX1**
- Use in the Kit: **10**
- Volume: **100**

Buttons at the bottom of the dialog are 'Take Kit', 'Export Kit', and 'Close'. Below the dialog, a toolbar contains: '+ Add Kit', 'Edit Kit', 'View Kit', 'Suppress Kit', 'Show History', 'Permanently Remove Kit', and 'Export Kit'. A 'View 1 - 1 of 1' indicator is also present.

Below the toolbar is a 'Take Collection Kit' button and another table titled 'Select Vial. Add vials in the Search tab.' with columns: Project, Catalog No, Batch, Parent Bat, Sample Ty, Document, Barcode, Private, Volume to, Volume, Unit of me, Threshold, Expiration, and Shipped.

Project	Catalog No	Batch	Parent Bat	Sample Ty	Document	Barcode	Private	Volume to	Volume	Unit of me	Threshold	Expiration	Shipped
1 Bombesin	A694	869		Customer	0	BP1100010	No	10	100		20		No

Open the Kits tab, select a collection kit and press Take Collection Kit button at the bottom of the screen. The system opens Take Collection Kit window with vial information and volume to be used in the kit. Press Take Kit button. The System checks the available volume and expiration date, and reduces the vial volume.

Select the Dashboard link at the top of the screen. FWA Dashboard displays inventory turnover and sample value metrics. Select a box or a plate and select a vial with the mouse click. The system opens Sample information, Sample shipping activity and Sample modification history tables.

The screenshot shows the FWA Dashboard web application. The navigation bar includes 'Demo Site', 'Components', 'Requests & QC', 'Cell Culture', 'Configuration', 'Help', and 'Sign Out'. A search bar is present on the right. Below the navigation bar, there are several filter checkboxes:

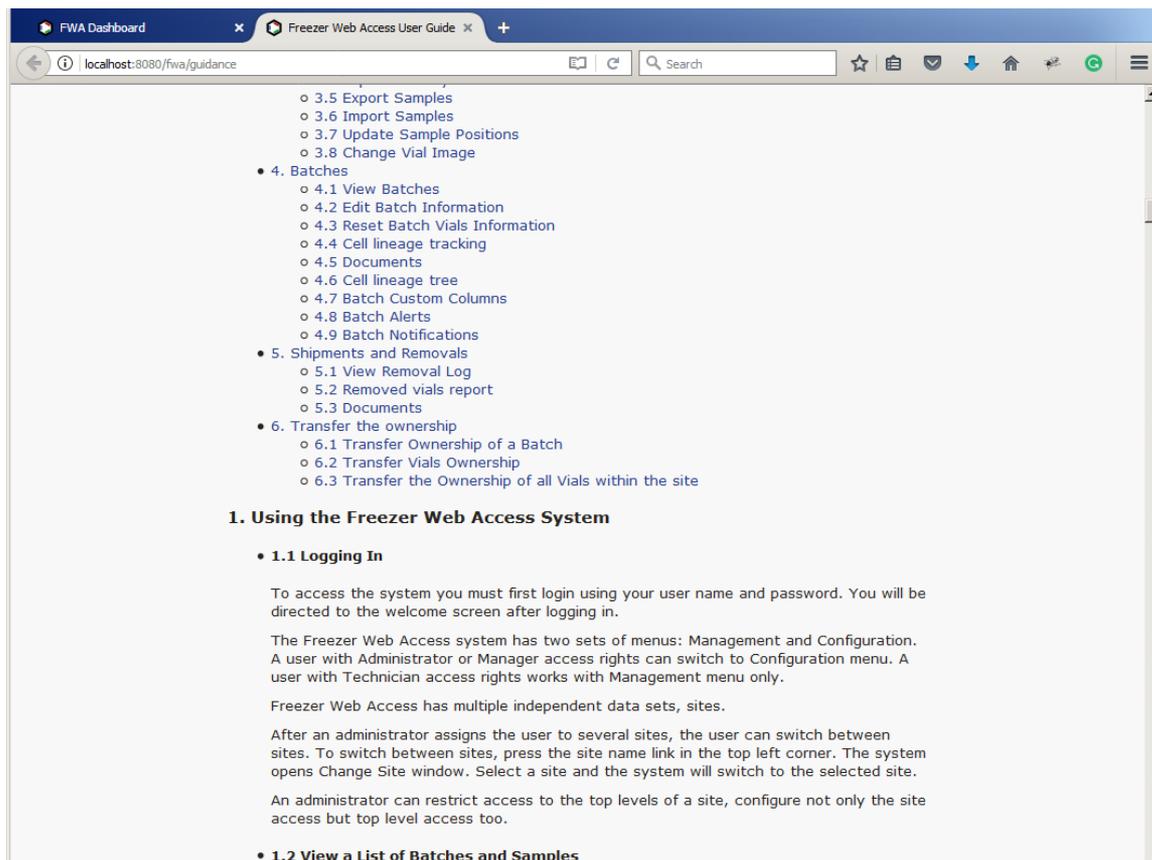
- Freeze date
- Final Passage number
- Target Family
- Detachment Solution
- Freezing Media
- IC Validation
- GPCR Validation
- Parental Cell Line
- Vector

Below the filters are 'Pivot Table' and 'Cancel' buttons. The pivot table is displayed with the following data:

Table	Final Passage number	P9	P11	Totals
count	Final Passage number			
Freeze date				
	2013-03-05	40		40
	2013-03-07		108	108
	Totals	40	108	148

At the bottom of the dashboard, there are links for 'Conditions of Use', 'Privacy Policy', and 'Contact Us'. The footer text reads: '© 2010-2018 ATGC Labs, LLC. Advanced software solutions to maximize laboratory efficiency. Freezer Web Access Three User evaluation build 348'.

Open Data summarization. The Data summarization function is to turn a data set into a summary table with a drag and drop UI to allow a user to manipulate this summary table, turning it into a pivot table.



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