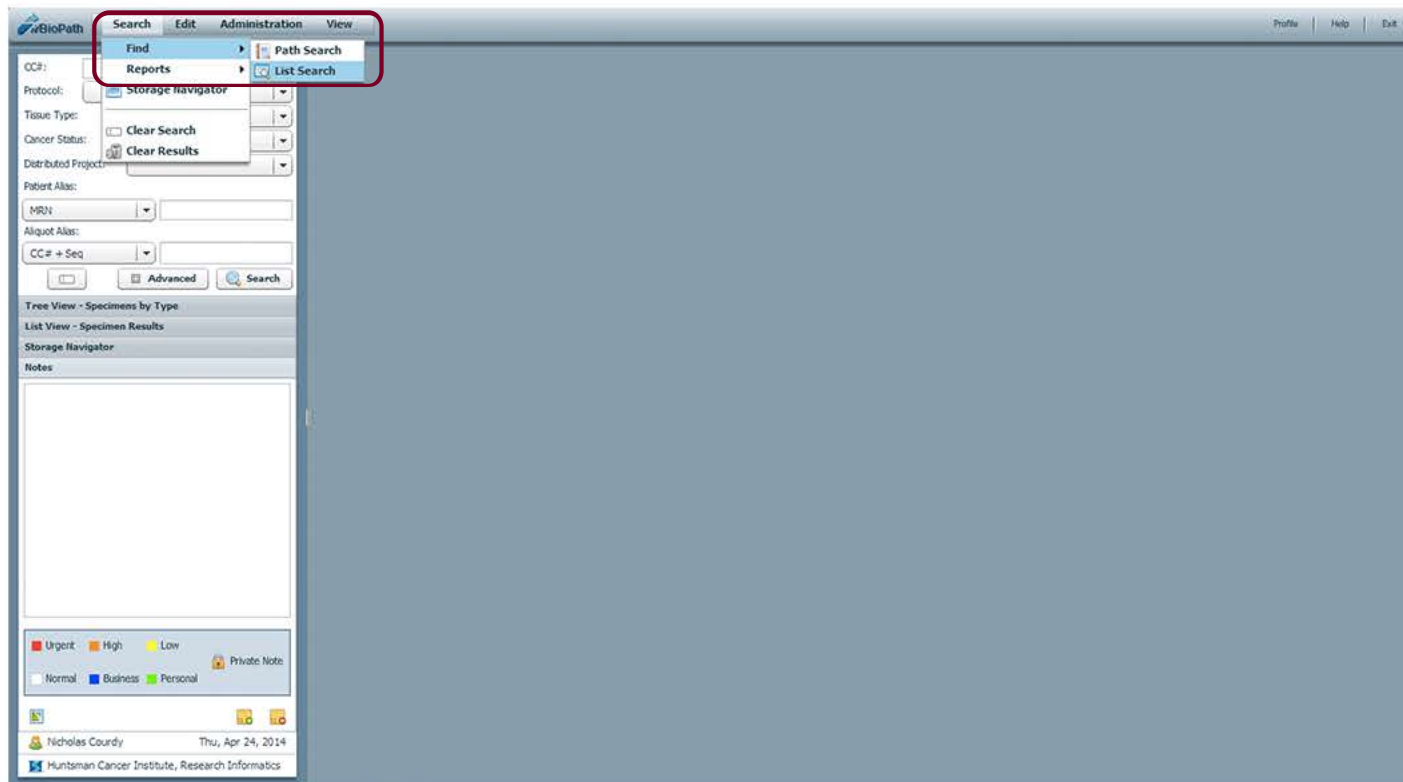


itBioPath

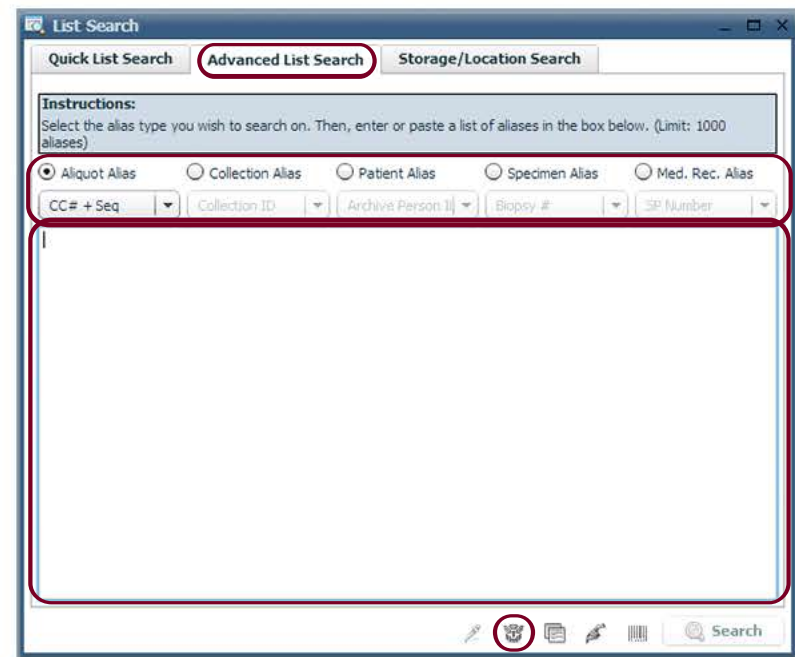
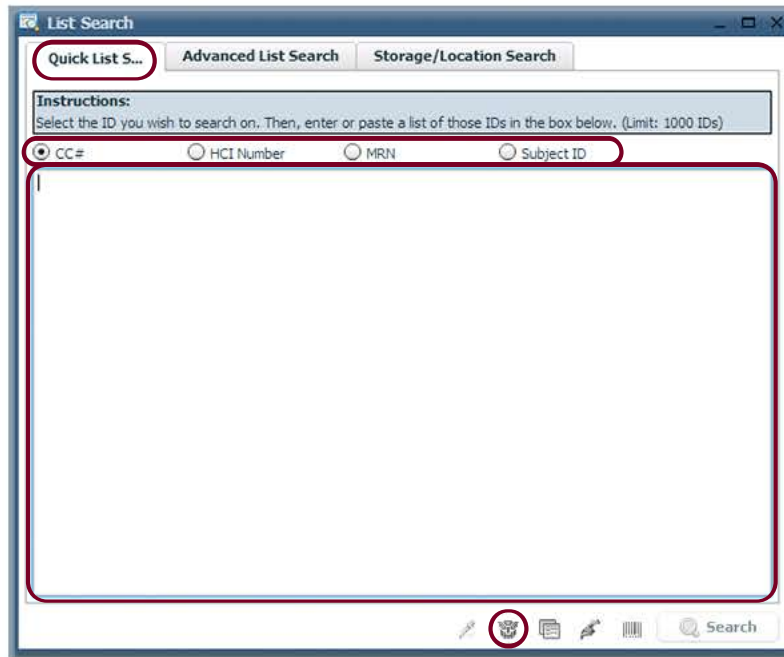
HOW-TO



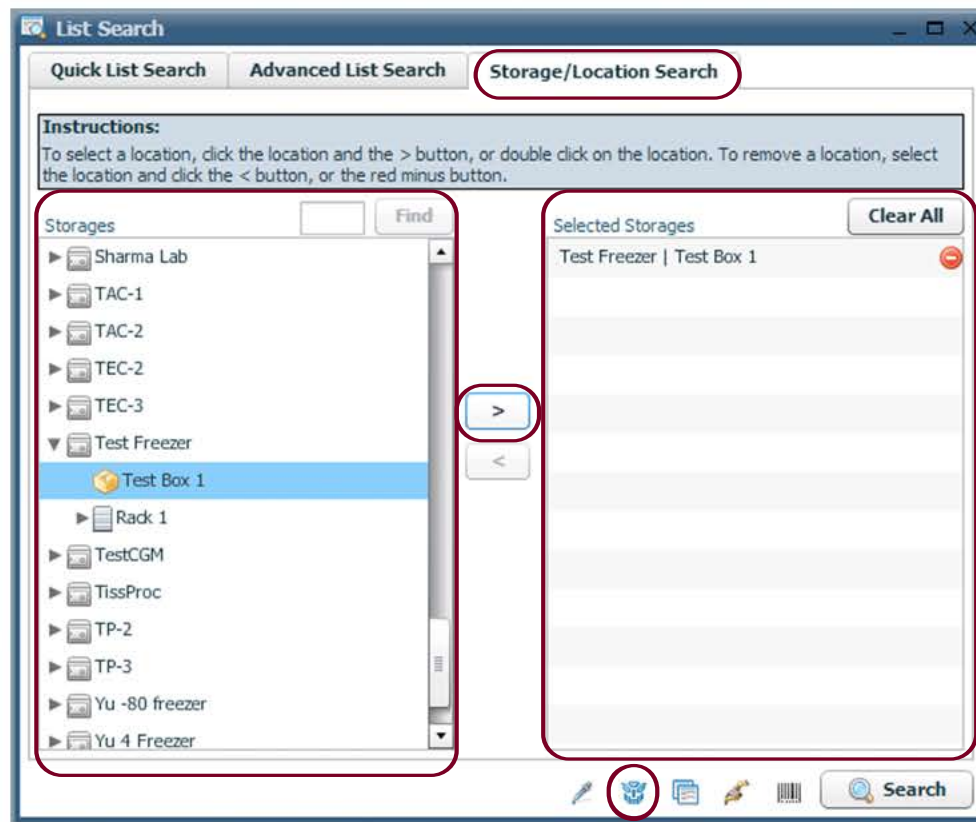
Performing a Batch Transformation




The first method for searching data in itBioPath for a batch process is the List Search. Navigate to Search > Find > List Search. A new window will open.



The list search window has 3 tabs. The 'Quick List Search' and 'Advanced List Search' make it possible to choose from multiple selections and enter specific identifiers in the text field. When the information is correct click on the flower icon 🌸 to start a batch transformation with the information entered.



The third tab of the List Search window is the 'Storage/Location Search'. This tab makes it possible to search by a box or boxes in various freezers. Find the specific box ready for transformation and click the arrow icon to move it into the 'Selected Storage' column. When all the boxes have been moved, click on the  icon to start a batch transformation of the specimens in the boxes selected.

The screenshot displays the itBioPath software interface. On the left, the 'Edit' menu is open, showing a path: 'Edit' > 'Batch' > 'Batch Transform'. The 'Batch Transform' option is highlighted. Below the menu, a search bar shows 'MRN' and 'ACIS-007'. A table titled 'Tree View - Specimens by Type' lists specimens under 'Blood - Plasma (8)'. The table has columns for 'Collect Date' and 'Collect Protocol'. The right pane shows the 'Patient #ACIS-007 (MRN)' record, including fields for Site, MRN, HCI Person ID, Shadow ID, Gender, First Name, Middle Name, Last Name, Birth Date, Death Date, Age, Patient Comments, Race (NIH), Ethnicity (NIH), Family History of Cancer, and Patient Aliases. The 'Patient Aliases' table is empty. At the bottom, it says 'This patient is linked to a UUMC medical record.' and has 'Save' and 'Close' buttons.

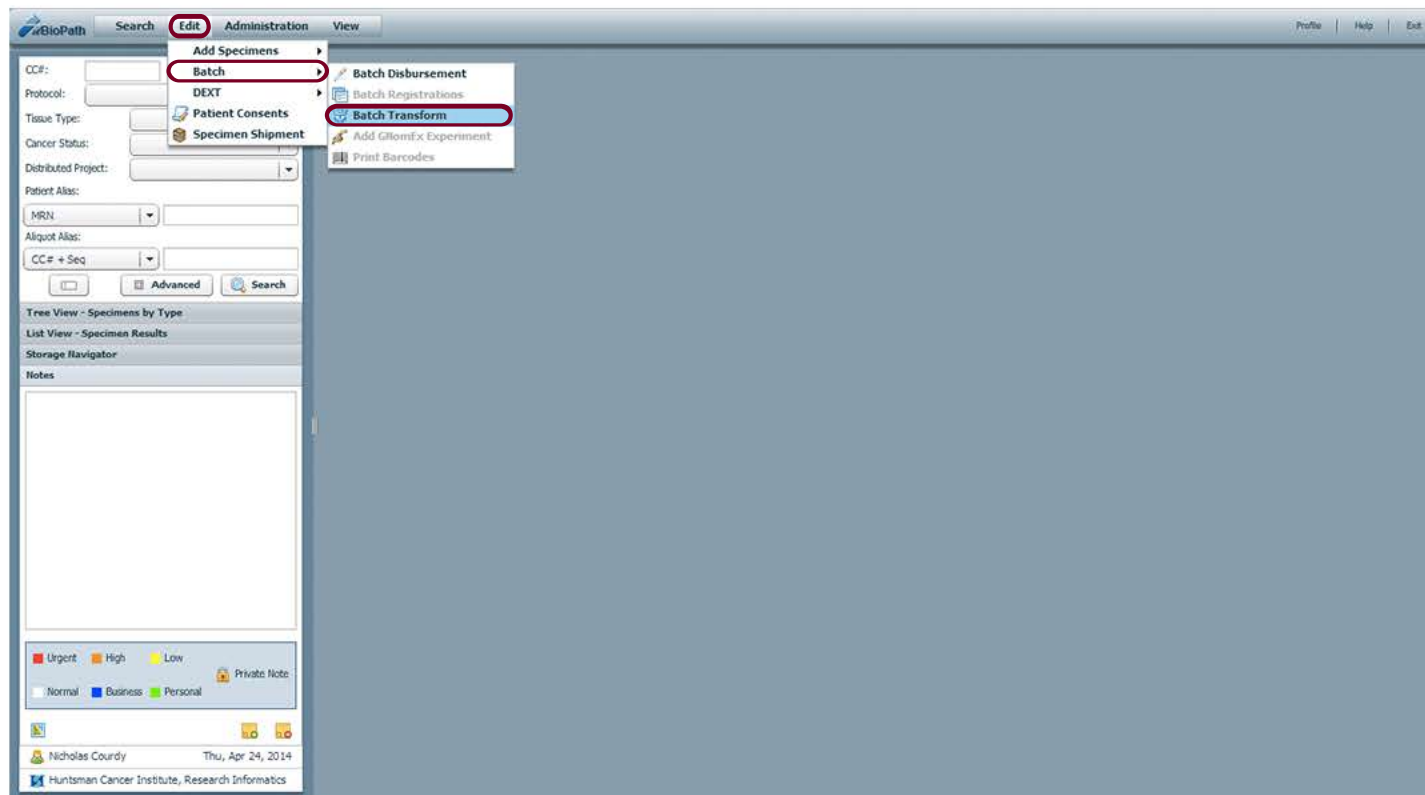
	Collect Date	Collect Protocol	HC
Blood - Plasma (8)			
05-07721	03/25/2005	OB/GYN-Universal Samplin...	
05-07729	09/07/2005	OB/GYN-Universal Samplin...	
05-07730	09/07/2005	OB/GYN-Universal Samplin...	
05-07732	09/07/2005	OB/GYN-Universal Samplin...	
05-07733	09/07/2005	OB/GYN-Universal Samplin...	
14-02861	04/10/2014	HCI Test Protocol	
14-02869	04/16/2014	HCI Test Protocol	
14-02857.1	04/08/2014	HCI Test Protocol	

Site	MRN	HCI Person ID	Shadow ID	Has Infectious Disease
HCI	ACIS-007	1124268	MJNLFR	Unknown

Gender	First Name	Middle Name	Last Name	Birth Date	Death Date	Age	Patient Comments
Male	JAMES	E	BOND	09/30/1969		44	Created from OBGYN upload 10/26/2011

Site	Ident	Alias Type	Alias	Protocol

The second method for searching data in itBioPath for a batch process is the Basic/Advanced search on the Dashboard. After a search is conducted and information is retrieved navigate to Edit > Batch > Batch Transform. In this example a search by Patient MRN was conducted. itBioPath found the specimens associated to the patient, and now a transformation of these specimens can be initiated.



The third method for searching data in itBioPath for a batch process is a Batch ID. This method can only be used if a search has not already been conducted in itBioPath. If itBioPath is blank, navigate to Edit > Batch > Batch Transform. A new window will open.

Batch Specimen Transform

Instructions:
 Aliquots from different specimens can be transformed in a in separate batches or smaller groups and added to the same batch id by filtering preparation type, unit type (Weight, Volume or Quantity), and the same metrics/measurements(microgram, mL etc) by selecting if desired.

Filter (Optional)

Col Prep Type:

Unit Type:

Unit Metric:

Tissue (Col Site):

Specimen Type:

Location:

Specimen List
 # of specimens in batch: 6

CC Number	Aliquots	Consent Status
14-00313	2	No Form
14-00410	7	No Form
14-02856	10	No Form
14-02857	8	No Form
14-02858	2	No Form
14-02866	3	No Form

Transform Aliquot List
 # of Specimen Groups: 7 # of Aliquots: 28

Site / CC #	Prep. Type	Unit Type	Specimen Type	Aliquots Count / Location	Initial Amt	Available Amt
HCI / 14-00313	Frozen	mL	Solid Tissue	2 Aliquots	1.0000	-1.0000
HCI / 14-00410	Frozen	microgram (ug)	Solid Tissue	4 Aliquots	2.0000	-4.0000
HCI / 14-00410	Frozen	mL	Solid Tissue	3 Aliquots	30.0000	-90.0000
HCI / 14-02856	Frozen	mL	Solid Tissue	10 Aliquots	46.0000	0.0000
HCI / 14-02857	Frozen	mL	Blood Product	4 Aliquots	20.0000	0.0000
HCI / 14-02858	Frozen	mL	Genetic - DNA	2 Aliquots	5.0000	-5.0000
HCI / 14-02866	Frozen	mL	Genetic Product	3 Aliquots	30.0000	-30.0000

Consent

☐ Has Consent
☐ Has Consent Form
 Consent Date:

☐ Can Use Tissue
☐ Can Contact
☐ Can Link to M, R.

Specimen Info

Cancer Center #:
 Tissue Type:
 Specimen Type:

Tissue Cancer Status:
 Collect Date:
 Quality Notes:

Specimen Comments:

Batch ID: 1234 **Load Specimen/Aliquots** **Reset** **Next** **Close**

In the bottom left of the 'Batch Specimen Transform' window you can load specimens by a Batch ID. A Batch ID is a specimen alias that can be assigned to multiple specimens. Available aliquots for transformation will appear. *This window will look similar if transforming using the List Search or Dashboard search methods. When the Aliquots have been loaded click 'Next'.

Batch Specimen Transform

Transform Info

Instructions:

By default all available amount will be transformed from all aliquots of each specimen. Check/Un-Check individual aliquot to add/remove it from being transformed. To change transform amounts/aliquots for all specimens in the list, use the "transforming Amt" and "transforming first" features below.

Number of specimens transforming from: 6

Amount:

Aliquot

Specimen

First:

10

aliquots from each specimen

Back

Next

Transforming Aliquots by Specimen

Site: HCI

Preparation Type: Frozen

Unit: (Multiple)

Save Aliquot List:

(1) CC#: 14-00313

Transforming Amt: -1.0000

Specimen Type: Solid Tissue

Select/Unselect All (2 aliquots)

Sequence	Location	Prep. Type	Available	Remaining	Transforming	Unit	Deplete
a	Test Freezer Test Box 1	Frozen	-0.5000	0.0000	-0.5000	mL	Yes
b	Test Freezer Test Box 1	Frozen	-0.5000	0.0000	-0.5000	mL	Yes

(2) CC#: 14-00410

Transforming Amt: -94.0000

Specimen Type: Solid Tissue

Select/Unselect All (7 aliquots)

Sequence	Location	Prep. Type	Available	Remaining	Transforming	Unit	Deplete
a	TestCGM Rack01 B...	Frozen	-30.0000	0.0000	-30.0000	mL	Yes
b	TestCGM Rack01 B...	Frozen	-30.0000	0.0000	-30.0000	mL	Yes
c	TestCGM Rack01 B...	Frozen	-30.0000	0.0000	-30.0000	mL	Yes

(3) CC#: 14-02856

Transforming Amt: 0.0000

Specimen Type: Solid Tissue

Select/Unselect All (10 aliquots)

Sequence	Location	Prep. Type	Available	Remaining	Transforming	Unit	Deplete
a	Test Freezer Test Bo...	Frozen	0.0000	0.0000	0.0000	mL	Yes
b	Test Freezer Test Bo...	Frozen	0.0000	0.0000	0.0000	mL	Yes
c	Test Freezer Test Bo...	Frozen	0.0000	0.0000	0.0000	mL	Yes

(4) CC#: 14-02857

Transforming Amt: 0.0000

Specimen Type: Blood Product

Select/Unselect All (8 aliquots)

Sequence	Location	Prep. Type	Available	Remaining	Transforming	Unit	Deplete
a	Test Freezer Test Bo...	Frozen	0.0000	0.0000	0.0000	[Unknown Metric]	Yes
b	Test Freezer Test Bo...	Frozen	0.0000	0.0000	0.0000	[Unknown Metric]	Yes
c	Test Freezer Test Bo...	Frozen	0.0000	0.0000	0.0000	[Unknown Metric]	Yes

(5) CC#: 14-02858

Transforming Amt: -5.0000

Specimen Type: Genetic - DNA

Select/Unselect All (2 aliquots)

Sequence	Location	Prep. Type	Available	Remaining	Transforming	Unit	Deplete
a	Test Freezer Test Box 1	Frozen	-2.5000	0.0000	-2.5000	mL	Yes
b	Test Freezer Test Box 1	Frozen	-2.5000	0.0000	-2.5000	mL	Yes

Close

The second step of the Batch Transformation determines what sequences will be transformed. Once the aliquot information is correct, click 'Next'.

Batch Specimen Transform

Save Aliquot List:

Transform Specimen Details

Transform By: Nicholas Courdy

Col Method:

Specimen Type:

Organism:

Received:

Thaw Date: 0 : 00 ☐ Time Unk.

Transformed: 04/24/2014

Col Prep Type:

Status:

Status Date:

Specimen Alias:

Specimen Classifications:

Specimen Comments:

Quality Notes:

Transform Aliquot Details

Storage Date:

Prep Type:

Unit: ☐ Weight ☐ Volume

(1) Src CC#: 14-00313 Src Seq: a Src Path: Test Freezer | Test Box 1 Src Available Amt: -0.5000 Used Src Amt: -0.5000

Dst Total Amt: -0.5000 Specimen Ty... Solid Tissue Specimen Alias Type: Alias:

Dst Location	Cell x/y	Amount	Weight Unit	Vol Unit	Quantity Unit	Concentration	Concentration U..	Cell Count	Cell count Unit	Storage Pre
		-0.5000		ml						Frozen

(2) Src CC#: 14-00313 Src Seq: b Src Path: Test Freezer | Test Box 1 Src Available Amt: -0.5000 Used Src Amt: -0.5000

Dst Total Amt: -0.5000 Specimen Ty... Solid Tissue Specimen Alias Type: Alias:

Dst Location	Cell x/y	Amount	Weight Unit	Vol Unit	Quantity Unit	Concentration	Concentration U..	Cell Count	Cell count Unit	Storage Pre
		-0.5000		ml						Frozen

(3) Src CC#: 14-00410 Src Seq: a Src Path: TestCGM | Rack01 | Box1001 Src Available Amt: -30.0000 Used Src Amt: -30.0000

Dst Total Amt: -30.0000 Specimen Ty... Solid Tissue Specimen Alias Type: Alias:

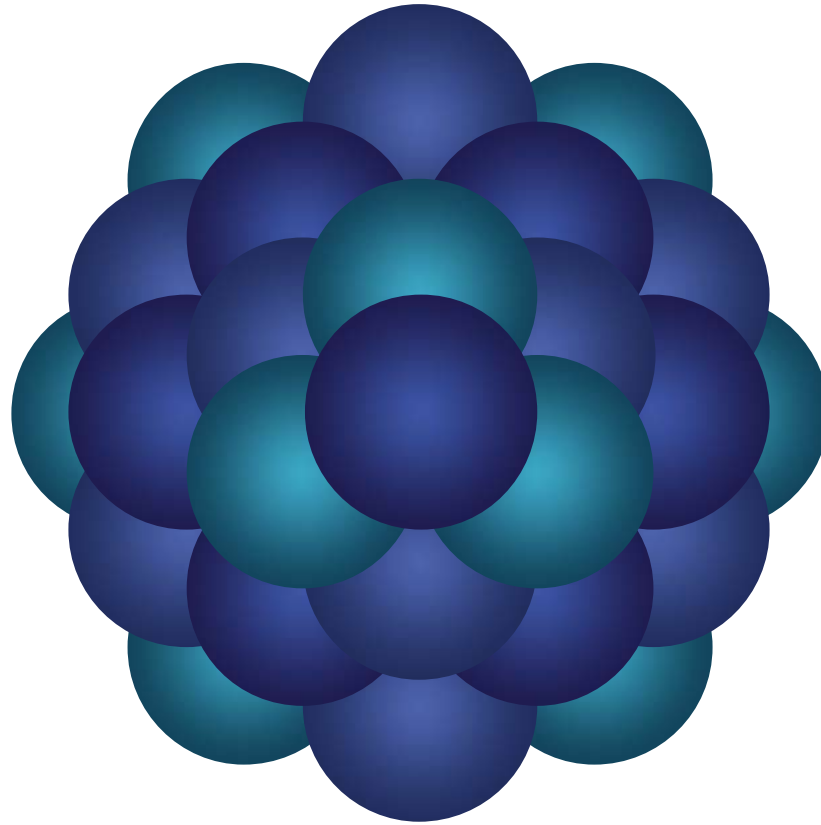
Dst Location	Cell x/y	Amount	Weight Unit	Vol Unit	Quantity Unit	Concentration	Concentration U..	Cell Count	Cell count Unit	Storage Pre
		-30.0000		ml						Frozen

(4) Src CC#: 14-00410 Src Seq: b Src Path: TestCGM | Rack01 | Box1001 Src Available Amt: -30.0000 Used Src Amt: -30.0000

Dst Total Amt: -30.0000 Specimen Ty... Solid Tissue Specimen Alias Type: Alias:

Dst Location	Cell x/y	Amount	Weight Unit	Vol Unit	Quantity Unit	Concentration	Concentration U..	Cell Count	Cell count Unit	Storage Pre
		-30.0000		ml						Frozen

The third and final step of the transformation specifies details about the transformation. This includes specifying aliquot amounts that are being used for the transformation. When the information is correct, click 'Transform Batch'.



Questions?

Email 'Informatics - itBioPath Support' email group