**TMT location:**

1. Log in to TMT (<http://10.39.196.170/tmt/Home.do>).
2. Select Test cases tab.
3. Expand caTissue product from the tree view.
4. Expand Mater List-v2.0 version
5. Expand Biospecimen Component
6. Expand Specimen Area
7. Select Test case ID 60 with short title 414\_Collect\_Anticipated\_Specimen\_Supervisor

**Purpose:**

To test that site supervisor is able to collect anticipated specimens from specimen details page.

**Pre-requisites:**

Import latest dump located at

Oracle: https://ncisvn.nci.nih.gov/svn/catissue\_persistent/caTissue Database Dump/v2.0/Oracle

MySQL: https://ncisvn.nci.nih.gov/svn/catissue\_persistent/caTissue Database Dump/v2.0/MySQL

and deploy application with label generator settings ON for specimen with value "edu.wustl.catissuecore.namegenerator.DefaultSpecimenLabelGenerator" and Specimen Collection Group with value "edu.wustl.catissuecore.namegenerator.DefaultSpecimenLabelGenerator".

**Procedure:**

1) Login as site supervisor with [sup\_ltp@gmail.com](mailto:sup_ltp@gmail.com) user name and password: Test123

2) Navigate to the Biospecimen Data >> Collection Protocol Based View.

3) Select "ACS" Collection Protocol from the drop down.

4) Click on Register New button.

5) Enter Last Name as: Tom and First Name as Chris and click on Register Participant button.

6) Select “Tom, Chris (101\_801)" from Participant Protocol (ID) section.

7) Select Event point “T0:0 Biomarker” from the LHS tree view.

8) Enter following data in the Specimen Collection Group edit page on RHS:

|  |  |
| --- | --- |
| **Attribute** | **Value** |
| Barcode | 101\_987\_123 |
| Collection Site | Laboratory for Translational Pathology |
| Collection Status | Complete |

Once the details are provided click on Submit

9) Click on OK.

10) Change the virtual to Auto location and note the Auto allocated storage container for specimen 1 and manually allocated container for specimen 2.

11) Click on the Coll? for both the parent specimen and now click on the radio button of the second parent specimen.

12) Under the **Derivative Details section** check the Coll? check box for child specimen and click on Submit.

**Expected Output:**

*3) The left hand side displays a Collection Protocol grid and right hand side displays blank page. With all the collection protocols being displayed to which admin\_ltp has the access as ACS. Also all the participant registered to this protocol should be listed once clicked on the Participant arrow.*

*4) The right hand side should now display “Participant Details” section.*

*5) The Edit participant page should display the following message “Participant successfully created.”*

*6) The left hand side Specimen Details now displays two event points as follows*

*T0:0: Biomarker: 04-07-2011*

*T1:0: Autopsy: 04-08-2011*

*The right hand side displays Edit Participant page with the Participant details page*

*7) The Event point should display a single “Cerebrospinal Fluid Parent Specimen” and Plasma specimen with another Plasma specimen as its derivative under the Specimen Details Section*

*Edit Specimen Collection Group page is displayed on the right hand side with the following details*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Attribute*** | ***Value*** | ***Attribute*** | ***Value*** |
| *Collection Protocol Title* | *ACS* | *Participant Name (ID)* | *Chris, Tom(101\_801)* |
| *Specimen Group Name* | *Adult Child Study\_801\_722* | *Barcode* |  |
| *Study Calendar Event Point* | *0.0,Biomarker* | *Collection Site* |  |
| *Offset* | *0* | *Surgical Pathology Number* |  |
| *Clinical Diagnosis* | *Not Specified* | *Clinical Status* | *Not Specified* |
| *Activity Status* | *Active* | *Collection Status* | *Pending* |
| *Comments* |  |  |  |

***Events*** *: as a collapsible section*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Collected*** | | ***Received*** | |
| *Collector* | *sup\_ltp@gmail.com, sup\_ltp@gmail.com* | *Receiver* | *sup\_ltp@gmail.com, sup\_ltp@gmail.com* |
| *Date* | *04-07-2011* | *Date* | *04-07-201100* |
| *Time* | *00 Hrs 15 Min* | *Time* | *00 Hrs 15 Min* |
| *Procedure* | *Use CP Defaults* | *Quality* | *Use CP Defaults* |
| *Container* | *Use CP Defaults* | *Comments* |  |
| *Comments* |  |

***Add Multiple Specimens*** *Section*

*Number of Specimen(s): 0*

*Two check boxes:*

*Specimen entry based on collection protocol*

*Print Labels*

*Four Buttons*

*Submit (Enabled)*

*Add Specimen (Disabled)*

*Add Multiple Specimens (Disabled)*

*Delete (Enabled)*

*8) Browser window should pop up displaying the value as “The collected and received events data that you have entered will be propagated to all specimens under this Specimen Collection Group and override any existing data. Do you want to continue?”*

*9) Once clicked on OK the right hand side of the page i.e. Edit Specimen Collection group page now should navigate to Specimen details page with the message that “Specimen Collection Group successfully updated.” should be displayed. The left hand side of the page i.e. Specimen Detail Section event point T0:0: Biomarker should now change the color of event point icon from black to golden yellow.*

*ii) First Parent Specimen Details*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Attribute*** | *Label* | *Barcode* | *Qty* | *Storage Location* |
| ***Value*** | *AutoGenerated* | *2343444* | *0.0* | *Auto* |
| ***Attribute*** | *Type* | *Pathological Status* | *Tissue Side* | *Tissue Site* |
| ***Value*** | *Cerebrospinal Fluid* | *Not Specified* | *Not Specified* | *Not Specified* |

Specimen 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Attribute*** | *Label* | *Barcode* | *Qty* | *Storage Location* |
| ***Value*** | *AutoGenerated* | *23434445* | *0.0* | *Manual* |
| ***Attribute*** | *Type* | *Pathological Status* | *Tissue Side* | *Tissue Site* |
| ***Value*** | *Cerebrospinal Fluids* | *Not Specified* | *Not Specified* | *Not Specified* |

*10) (The auto allocation of the specimen should follow the container restrictions and its hierarchy. Please refer the page below and check whether the container allocation is followed as per the restrictions and hierarchy* [*https://wikip2m1.wustl.edu/foswiki/bin/view/Catissue/AliquotsAutoStorageAllocation*](https://wikip2m1.wustl.edu/foswiki/bin/view/Catissue/AliquotsAutoStorageAllocation)

*. For the manual allocation the container that is selectable from container map should also follow the same hierarchy as followed by auto allocation. )*

*11) Once the Col? Check box is checked the parent specimen1 and parent specimen2 coll? check boxes will be checked automatically.*

*The radio button of parent specimen2 when clicked reflects the child specimen under the* ***Derivative Details*** *section:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Attribute*** | *Parent* | *Label* | *Barcode* | *Qty* | *Conc.* | *Storage Location* |
| ***Value*** | *Disabled Field* | *AutoGenerated* | *23434445* | *0.0* |  | *Manual* |
| ***Attribute*** | *Type* |  | *Pathological Status* |
| ***Value*** | *Plasma* |  | *Not Specified* |

*12) Once clicked on Submit the “Edit Specimen Collection Group” page is displayed on the right hand side of the page. The left hand side of the Specimen Details section now changes the specimen color from black to magenta post collection*

**Verification Logic:**

1) The recently created specimen will be displayed in the search result for “Specimen ID is Not Null” simple query.

2) Following changes should be reflected in below tables:

•In CATISSUE\_AUDIT\_EVENT table new record should be entered with IP address equal to the IP address of the machine from which the action was performed and Event\_Timepstamp equal to the date on which the action was performed. Event\_Type should contain INSERT for catissue\_<specimen type>\_specimen.

•In CATISSUE\_AUDIT\_EVENT\_LOG table Object\_Name should contain catissue\_<specimen type>\_specimen, CATISSUE\_EXTERNAL\_IDENTIFIER (if added), CATISSUE\_SPECIMEN\_EVENT\_PARAM, CATISSUE\_SPECIMEN\_POSITION, CATISSUE\_CONSENT\_TIER\_STATUS and CATISSUE\_SPECIMEN\_CHAR. Object\_ID is the unique ID of the object inserted. Parent\_ID will be null for the main object (Specimen). Containment or reference type objects getting added will have a parent\_id equal to the ID of the main Object being inserted. This table refers to CATISSUE\_AUDIT\_EVENT\_LOG table which relates to the CATISSUE\_AUDIT\_EVENT table.

•In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element\_name contains the list of attributes that are in catissue\_<specimen type>\_specimen, CATISSUE\_SPECIMEN\_EVENT\_PARAM, CATISSUE\_SPECIMEN\_POSITION, CATISSUE\_EXTERNAL\_IDENTIFIER (if added), CATISSUE\_CONSENT\_TIER\_STATUS and CATISSUE\_SPECIMEN\_CHAR tables. Previous\_value will be null for aliquots/derivatives/new specimen and Current\_value will be the values updated/added through UI. ID of CATISSUE\_STORAGE\_CONTAINER, CATISSUE\_BIOHAZARD (if added) will only be audited as they are reference association. ID of CATISSUE\_SPECIMEN\_CHAR, CATISSUE\_SPECIMEN\_EVENT\_PARAM (Collected and received events), CATISSUE\_CONSENT\_TIER\_STATUS, CATISSUE\_SPECIMEN\_POSITION and CATISSUE\_EXTERNAL\_IDENTIFIER will also be audited along with their attributes as it is a containment type attribute.

3) Refer the data model and audit metadata.xml to find out the classes with containment and reference association with the main class. All the classes and attributes should be audited in respective audit tables.