**TMT location:**

1. Log in to TMT (<http://vtest11.wustl.edu:8080/catissuetmt/Home.do>).
2. Select Test cases tab.
3. Expand caTissue product from the tree view.
4. Expand Mater List-v2.0 version
5. Expand Admin Component
6. Expand Collection Protocol test area
7. Select Test case ID 108 with short title 108\_CP\_EditSuccess\_Before\_Participant\_Registration.

**Purpose: To ensure collection protocol can be edited successfully before participant registration as a super administrator.**

**Prerequisites:**

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

**Procedure:**

1. Login as super administrator ([admin@admin.com](mailto:admin@admin.com), Test123).
2. Navigate to Administrative Data -🡪Collection Protocol🡪Edit page.
3. On collection protocol search page, select attribute as Short title, condition as equal to enter value as “***WHSC***”. Click on Search.
4. Update the values on CP details page as per the table, Click on Save Collection Protocol.

|  |  |
| --- | --- |
| **Principal Investigator** | Admin,admin |
| **Principal coordinator** | Add additional coordinator last,Sci2 |
| **Short Title** | WHSC\_Study |
| **Clinical Diagnosis** | Click Remove to remove Clinical diagnosis Cystic Fibroadenosis of Breast.  Select Ectopic Breast tissue from the Clinical diagnosis list and Click on Add. |
| **Parent label format** | %SYS\_UID% |
| **Derivative label format** | %SYS\_UID% |
| **Aliquot label format** | %SYS\_UID% |

1. Navigate to Consents tab, Click on Add more, Enter consents statements as below

* Consent given for tissue specimen use for research unrelated to the patient's cancer
* Consent given for further contact regarding specimen
* Consent given for the participation in the Cancer Genome Atlas project

1. Select the check-box next to consent statement “Consent given for blood specimen use for research on the patient's cancer “, Click on Delete.
2. Update the consent statement “Consent given for blood specimen use for research unrelated to the patient's cancer” to “Consent given for blood and molecular specimen use for research unrelated to the patient's cancer”
3. Navigate to Privileges tab, select site Laboratory for translational pathology. Click on Save privilege.
4. Navigate to Event details tab, update event details for event 0.0 Pre-pregnancy as per following table:

|  |  |
| --- | --- |
| **Study calendar event point** | 5 |
| **Collection point label** | Pre-pregnancy treatment |
| **Clinical Diagnosis** | Ectopic Breast tissue |
| **Clinical Status** | Pre therapy |
| SPP | Blood Collection |

1. Navigate to Specimen Requirements page, update the specimen requirements details as per following table:

|  |  |
| --- | --- |
| **Specimen type** | Plasma |
| **Pathological Status** | Metastatic |
| **Collection Procedure** | Venipuncture |
| **Collection Container** | EDTA vacutainer |

1. In derive specimen section; click on Add more, Enter details as

|  |  |
| --- | --- |
| **Class** | Molecular |
| **Type** | DNA |
| **Storage location** | Virtual |
| **Quantity** | 5 |
| **Concentration** | 2 |
| **Aliquot count** | 5 |
| **Aliquot quantity** | 1 |

1. Click on Save Specimen requirements.
2. Select event point 0.0 Pre-pregnancy from the CP details tree. Click on Add specimen requirements.
3. Enter specimen requirements as in following table:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Parent Specimen** | **First Derivative** | **Second Derivative** |
| Class | Fluid | Cell | Fluid |
| Type | Whole Blood | Cryo preserved Cell | Plasma |
| Tissue side | Not Specified |  |  |
| Tissue site | Blood |  |  |
| Pathological Status | Malignant |  |  |
| Storage Location | Virtual |  |  |
| Initial Quantity | 0 | 1.5E8 | 3 |
| Concentration | 0 |  |  |
| Collector | admin |  |  |
| Receiver | admin |  |  |
| Collection Procedure | Vein puncture |  |  |
| Specimen Creation Event | Collection | Re suspension | Isolate Buffy Coat |
| Processing SPP | Cell Pellet Creation | Frozen Cell Pellet Processing |  |
| Collection Container | EDTA Container |  |  |
| Received Quality | Not Specified |  |  |
| Aliquot Count |  | 10 | 3 |
| Aliquot Quantity |  | 1.0E7 | 1 |
| Aliquot Storage Location | None | Auto | Auto |
| Aliquot Creation Event |  | Aliquot |  |
| Aliquot Processing SPP |  |  |  |

1. Select specimen requirements for event point 1.0 IVF from CP details tree. Click on Delete.
2. Click on Add events. Enter event details as per following table:

|  |  |
| --- | --- |
| **Study Calendar event point** | 10 |
| **Collection point label** | First trimester |
| **Clinical Diagnosis** | Not specified |
| **Clinical Status** | Post therapy |

1. Click on Add specimen requirements; enter specimen requirements as per following table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **First Event** |  |  |  |  |
|  | **First Set of Requirements** |  | **Second Set of Requirements** |  |  |
|  | **Parent Specimen** | **Derivative** | **Parent Specimen** | **First Derivative** | **Second Derivative** |
| Class | Tissue | Tissue | Fluid | Cell | Fluid |
| Type | Fresh Tissue | Frozen Tissue | Whole Blood | Cryo preserved Cell | Plasma |
| Tissue side | Not Specified |  | Not Specified |  |  |
| Tissue site | Skin, NOS |  | Blood |  |  |
| Pathological Status | Non Malignant |  | Malignant |  |  |
| Storage Location | Virtual |  | Virtual |  |  |
| Initial Quantity | 0 | 0 | 0 | 1.5E8 | 3 |
| Concentration | 0 | 0 | 0 |  |  |
| Collector | admin |  | admin |  |  |
| Receiver | admin |  | admin |  |  |
| Collection Procedure | Needle Core Biopsy |  | Vein puncture |  |  |
| Collection Container | Not Specified |  | EDTA Container |  |  |
| Specimen Creation Event |  |  | Collection | Re suspension | Isolate Buffy Coat |
| Processing SPP |  |  | Cell Pellet Creation | Frozen Cell Pellet Processing |  |
| Received Quality | Not Specified |  | Not Specified |  |  |
| Aliquot Count |  |  |  | 10 | 3 |
| Aliquot Quantity |  |  |  | 1.0E7 | 1 |
| Aliquot Storage Location | None | None | None | Auto | Auto |

1. Click on save specimen requirements.
2. Click on save collection protocol.

**Expected Output:**

4 A message should be displayed as “Collection protocol successfully updated”

5 User should be able to add consents statements.

6 User should be able to delete consent statements.

7 User should be able to update consent statements.

8 A row should be added in privileges section as “Lab for translational pathology---All default users----All default privileges”

9 User should be able to update event details.

10 User should be able to update specimen requirement details.

11 User should be able to add more derivatives.

14 The specimen requirements should get added, the collection protocol tree on L.H.S should be refreshed with the specimen requirement details.

15 The specimen requirements should get deleted, the collection protocol tree on L.H.S should be refreshed.

16 The collection protocol tree on L.H.S should be refreshed with the events and specimen requirement details.

19 A message should be displayed as “Collection protocol successfully updated”

**Verification Logic:**

1. Navigate to Collection Protocol--🡪Edit page. Search for the created collection protocol with short title WHSC.
2. Once the collection protocol opens in edit mode.

* Verify the CP details for the protocol.
* Verify label format at CP details page such as Parent, Aliquot and Derivative specimen label format.
* Verify the Privileges section display the privileges details.
* Verify details such as study calendar event point, clinical diagnosis, and clinical status are saved correctly. (The details should be as per the event details table)
* Verify all the specimen requirement details such as Specimen Class, Specimen type, Pathological Status are saved correctly. (The details should be as per the specimen requirements table)

1. 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 UPDATE.
2. In CATISSUE\_DATA\_AUDIT\_EVENT\_LOG table Object Name should contain CATISSUE\_COLLECTION\_PROTOCOL, catissue\_<specimen type>\_req\_specimen, CATISSUE\_COLL\_PROT\_EVENT and CATISSUE\_CONSENT\_TIER.
3. Object\_ID is the unique ID of the object inserted. Parent\_ID will be null for the main object (Collection protocol). Containment or reference type objects getting added will have a parent\_id equal to the ID of the main Object (CP) being inserted. This table refers to CATISSUE\_AUDIT\_EVENT\_LOG table which relates to the CATISSUE\_AUDIT\_EVENT table.
4. In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element name contains the list of attributes that are in CATISSUE\_COLLECTION\_PROTOCOL, catissue\_<specimen type>\_req\_specimen, CATISSUE\_COLL\_PROT\_EVENT and CATISSUE\_CONSENT\_TIER tables. Specimen LABEL FORMAT, aliquot LABEL FORMAT and derivative LABEL FORMAT should be inserted.
5. CATISSUE\_USER will have their ID audited only as they have reference association with the main object. ID of CATISSUE\_Coll\_PROT\_EVENT and catissue\_<specimen\_type>\_req\_specimen will also be audited along with their attributes as it is a containment type attribute.
6. Elements inserted have the following format:

* edu.wustl.catissuecore.domain<attribute\_name>\_PREV\_CURR\_IDS\_LIST.
* In this case following elements gets added:
* edu.wustl.catissuecore.domain.<specimneType>SpecimenRequirement\_PREV\_CURR\_IDS\_LIST
* edu.wustl.catissuecore.domain.CollectionProtocolEvent\_PREV\_CURR\_IDS\_LIST
* edu.wustl.catissuecore.domain.User\_PREV\_CURR\_IDS\_LIST
* edu.wustl.catissuecore.domain.ConsentTier\_PREV\_CURR\_IDS\_LIST