**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 Biospecimen Component
6. Expand Specimen test area
7. Select Test case ID 9597 with short title ADD\_Single\_Specimen\_Outside\_CP.

**Purpose:** Test to ensure that single specimen can be added outside the CP from specimen collection group page and aliquots can be created at the time of Specimen Creation from Add Specimen 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”.

**Procedure:**

1. Login as Super Administrator with the login credentials as [admin@admin.com](mailto:admin@admin.com) and password as Test123.
2. Navigate to Collection Protocol Based view select “**Z6041**” protocol from the Collection Protocol.
3. Select “Rodriguez, Jennifer” from the **Participant Protocol (ID)**.(Refer the expected output)
4. From the LHS >> Specimen Details >> select **T1.0: Pre-CRT** event point**.** (Refer Expected Output)
5. On **Edit Specimen Collection Group** page >> **Add Multiple Specimens** section uncheck the “Specimen entry based on collection protocol” check box. (Refer the expected output)
6. Click on **Add Specimen** button. (Refer the expected output)
7. Click on **OK**. (Refer the expected output)
8. On the **New specimen** page enter the following details :

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Default Value** | **User Defined Value** |
| Barcode | NA | FT\_RJ\_B1 |
| \*Class | NA | Tissue |
| \*Type | NA | Fresh Tissue |
| \*Tissue Site | Not Specified | Esophagus, NOS |
| \*Tissue Side | Not Specified | Left |
| \*Pathological Status | Not Specified | Non-Malignant |
| \*Initial Quantity | NA | 20 |
| \*Storage Position | Virtual | Manual |

Select container “Laboratory for Translational Pathology\_CT\_Tissue\_Rack\_82 (9, 10)” under Laboratory for Translational Pathology site. (Refer Expected Output)

1. From the **Events** section edit the following values:

|  |  |  |
| --- | --- | --- |
| **Attribute Name** | **Default Value** | **User Defined Value** |
| \*Collector | admin\_dmp, admin\_dmp | admin\_dmp, admin\_dmp |
| Dates | Current Date | Current Date |
| Time | Timestamp | Timestamp |
| Procedure | Use CP Defaults | Indwelling Catheter |
| Container | Use CP Defaults | ACD Vacutainer |
| \*Receiver | admin\_dmp, admin\_dmp | admin\_dmp, admin\_dmp |
| Dates | Current Date | Current Date |
| Time | Timestamp | Timestamp |
| Quality | Use CP Defaults | Acceptable |

(Refer Expected Output)

1. From the **External Identifier(s)** sectionadd the following values using ADD button

|  |  |
| --- | --- |
| **Name** | **Value** |
| LTP | 1002 |
| LTP | 1001 |

1. Select “LTP – 1002” external identifier check box. Click Delete button. (Refer Expected Output)
2. From the **Biohazard(s)** sectionadd the following values using ADD button

|  |  |
| --- | --- |
| **Type** | **Name** |
| Carcinogen | Acrylamide |
| Infectious | HIV Positive |

1. Select “Infectious” biohazard check box. Clik on Delete button. (Refer Expected Output)
2. Select “**Aliquot**” radio button from Create Child Specimen section. (Refer Expected Output)
3. Enter Count as 5 and Quantity as 1.0.
4. Click on **Submit.** (Refer the expected output)
5. Click on “**Add to My List**” button. (Refer Expected Output)
6. Select the specimen created above from Specimen details tree. Click on More button on Specimen Details page. Click on Submit.(Refer the expected output)

**Expected Output:**

3) **Edit Participant** page is displayed on the RHS and LHS **Specimen Details** section should auto populate the 2 event points as

* **T1.0 :Pre-CRT**
* **T1.0 :Surgery**

4) The RHS should display **“Edit Specimen Collection Group”** page following tabs

* **Edit Specimen Collection Group Events (Default Selected)**
* **View Surgical Pathology Reports**
* **View Annotations**
* **Consents**

5) **Add Specimen and Add Multiple Specimens** buttons should be enabled.

6) “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?” pop up should be displayed with **OK** and **Cancel** buttons.

7) “New Specimen” page should be displayed with following two tabs

* **New Specimen** **(Default Selected)**
* **Consents**

“Specimen Collection Group successfully updated” message should be displayed at the top on the same page.

8) Selecting Manual option will display a MAP button. Selecting Map button will open a new window with available storage containers to which the user has access.

9) Collected and Received events are mandatory events for adding specimen (single or multiple).

11) “LTP – 1002” external identifier gets deleted successfully.

13) Infectious biohazard will get deleted and only Carcinogen biohazard will be added.

14) Count and Quantity text box will be enabled.

16) Aliquot Summary page will be displayed. “Tissue Specimen successfully created” success message will be displayed.

17) Aliquots will be successfully created. The available quantity of the parent specimen will be reduced by 5.0. Storage Container will be auto populated and will search for container that best matches the specimen and CP restrictions. Aliquots will be successfully added to My List View.

18) New Specimen page should be auto-populated with the specimen details such as Specimen Class, Specimen Type, Tissue Side, Tissue Site and pathological status same as the specimen from which more specimens are added. A message should be displayed as “Fluid specimen successfully created”.

**Verification Logic:**

1. Search for the specimen via Simple Search as Label Not Null and verify that the specimen details are correctly auto populated.
2. Following changes should be reflected in caTissue audit tables:
3. 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.
4. 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.
5. In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element name contains the list of attributes that are in CATISSUE\_SPECIMEN.ID of all the reference and containment association classes should also be audited.
6. 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.