**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 9611 with short title Label\_Generation\_Edit\_Label\_Format

**Purpose:**

**Test to ensure on editing a protocol for label format labels are generated as per the edited label format.**

**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.

Modify the label generator. Properties file located at caTISSUE\_HOME/catissuecore-properties/. Set the value of property specimenLabelGeneratorClass to specimenLabelGeneratorClass=edu.wustl.catissuecore.namegenerator.DefaultTemplateLabelGenerator.Redeploy the application and restart the application server.

Modify the PrintServiceImplementor.properties file located at caTISSUE\_HOME/catissuecore-properties for following.

PrintWebServiceEndPoint= http ://< ipaddress: portNo>/caTissuePrintWebService/Print? Wsdl>

(This is the URL of Print Web Service, where IP address and port is of the server where print web service is deployed.)

Specimen=edu.wustl.catissuecore.printservicemodule.WashuSpecimenLabelPrinterImpl

Specimencollectiongroup=edu.wustl.catissuecore.printservicemodule.WashuSpecimenCollectionGroupLabelPrinterImpl.

Note: Refer the page at <https://cabig-kc.nci.nih.gov/Biospecimen/KC/index.php/Label_Printing> for web-service deployment.

Place print\_rules.xls inside JBOSS-HOME (Print server)/print/print rules .Please use the print.xlsx located at

**Procedure:**

1. Login as super administrator ([admin@admin.comTest123](mailto:admin@admin.comTest123)).
2. Navigate to Biospecimen Data🡪Collection Protocol based view. Select collection protocol “***LTP Tissue Collection***” from the collection protocol drop-down list.
3. Select participant “***Matt, Matt***” from the ***Participant*** (***Protocol ID***) drop-down. Refer the expected Output.
4. From the L.H.S>>***Specimen Details***>>Select the anticipated specimen collection group with study calendar event point as ***T0.0; Autopsy***. Refer the expected Output.
5. On R.H.S🡪***Edit Specimen Collection Group page***🡪Enter ***collection site*** as ***Laboratory for translational pathology core*** and ***collection status*** as ***Complete***. Click on Submit. Refer the expected Output.
6. On ***Specimen Details*** page, check the check-boxes next to ***Coll?*** And ***Print*** for all the parent and child specimens. Enter labels for parent and child specimens. Click on Submit. Refer the expected Output.
7. Repeat the steps 4-6 for the study calendar event point ***T5.0; Lumbar Puncture.*** Refer the expected output.
8. Navigate to Administrative Data🡪Collection Protocol🡪Edit page. Search for protocol “***LTP Tissue Collection***” to edit. Edit the label format specified at specimen requirements level for parent, derivatives and aliquots. Specify label format as “%CP\_DEFAULT%”at specimen requirements page for parent, derivatives and aliquot specimens.
9. Navigate to Biospecimen Data🡪Collection Protocol Based view. Select collection protocol “***LTP Tissue Collection***” from the ***Collection protocol*** drop-down list.
10. Click on Register new. Enter participant last name as Mathew1, First name as Mathew1.Click on Register participant. Refer the expected Output.
11. From the L.H.S>>***Specimen Details***>>Select the anticipated specimen collection group with study calendar event point as ***T0.0; Autopsy***. Refer the expected Output.
12. On R.H.S🡪***Edit Specimen Collection Group page***🡪Enter ***collection site*** as ***Laboratory for translational pathology core*** and ***collection status*** as ***Complete***. Click on Submit. Refer the expected Output.
13. On ***Specimen Details*** page, check the check-boxes next to ***Coll?*** And ***Print*** for all the parent and child specimens. Enter labels for parent and child specimens. Click on Submit. Refer the expected Output.
14. Repeat the steps 4-6 for the study calendar event point ***T5.0; Lumbar Puncture.*** Refer the expected output.
15. From the Edit Specimen Collection group page, uncheck the check-box for Specimen entry based on collection protocol. Enter number of specimens as 5. Click on Add multiple specimens. Refer the expected Output.
16. Click on Submit.
17. From the Edit Specimen Collection group page, uncheck the check-box for Specimen entry based on collection protocol. Click on Add specimen. Refer the expected Output.
18. Click on Submit.
19. Navigate to Biospecimen Data-🡪Specimen🡪Aliquot page. Enter parent specimen label of the specimen collected in step13. Enter count as 5, quantity as 0.1. Refer the expected Output.
20. Click on Submit.
21. Navigate to Biospecimen Data-🡪Specimen🡪Derive page. Enter parent specimen label of the specimen collected in step 13. Refer the expected Output.
22. Click on Submit.

**Expected Output:**

3 Edit participant page should be displayed on R.H.S and Specimen Details tree on L.H.S should display event points as:

* ***T0.0; Autopsy***
* ***T5.0; Lumbar Puncture***

4 Edit Specimen Collection group page should be displayed on R.H.S.

5 “***Specimen Collection Group successfully updated***.” message should be displayed at the top of the page and Specimen Details page should be displayed with Specimen Details, Derivative Details and the Aliquot Section. The label text-boxes for parent, derivatives and aliquots should be empty for user to provide specimen labels. The event icon for ***T0.0; Autopsy*** should turn golden-brown.

6 Edit specimen collections Group page should be displayed, a message should be shown as “***Printed successfully***”. The specimen icon for collected specimens should turn pink. From the specimen details section on L.H.S Verify the labels generated for the specimens. Refer the table below for the tokens used:

|  |  |
| --- | --- |
| **Tokens** |  |
| **%SYS\_UID%** | For adding the default label. This creates a system wide unique id for the specimen. It is equal to maximum number of specimens+1 |
| **Labels for specimens collected as per CP definition (Before CP edit)** | User should be able to provide labels manually |
| **Labels for specimens collected not as per CP definition** | In case system identifier is <SYS\_UID> 100, protocol participant identifier is 102, parent specimen labels would be 100\_102.Child specimen labels would be 100\_102\_1,100\_102\_2….. |
| **Labels for specimens collected as per CP definition (After CP edit)** | In case system identifier is <SYS\_UID> 100, protocol participant identifier is 102, parent specimen labels would be 100\_102.Child specimen labels would be 100\_102\_1,100\_102\_2….. |

Verify the .cmd files generated at JBOSS-HOME/bin/print/printer. The .cmd file should show details as per the configured print.xlsx

10 A message should be displayed “Participant successfully registered”.

11 Edit Specimen Collection group page should be displayed on R.H.S.

12 “***Specimen Collection Group successfully updated***.” message should be displayed at the top of the page and Specimen Details page should be displayed with Specimen Details, Derivative Details and the Aliquot Section. The label text-boxes for parent, derivatives and aliquots should be empty for user to provide specimen labels. The event icon for ***T0.0; Autopsy*** should turn golden-brown.

13 Edit specimen collections Group page should be displayed, a message should be shown as “***Printed successfully***”. The specimen icon for collected specimens should turn pink. From the specimen details section on L.H.S Verify the labels generated for the specimens.

15 Label text-boxes should not be displayed. System should auto generate specimen labels.

16 A message should be displayed as “Specimens created successfully”.

17 Label text-boxes should not be displayed. System should auto generate specimen labels.

18 A message should be displayed as “Specimens created successfully.

19 System should auto-generate specimen labels, the labels generated should be <PSPEC\_LABEL>\_1, <PSPEC\_LABEL>-2.

20 A message should be displayed as “Aliquots created successfully”.

21 Label text-boxes should not be displayed. System should auto generate specimen labels.

22 A message should be displayed as “Derivatives created successfully”.