**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 393 with short title Label\_Generation\_Tokens\_SYS\_UID\_SPEC\_TYPE\_YR\_OF\_CO

**Purpose:**

**To ensure while collecting specimens for a protocol labels are generated as per the specified label format:**

**CP Details page:**

**Parent Specimen Label Format: %SYS\_UID%\_%SP\_TYPE%\_%YR\_OF\_COLL%  
Derivative Label format: %SYS\_UID%\_%SP\_TYPE%\_%YR\_OF\_COLL%**

**Aliquots Label format: Blank  
Specimen Requirement page:**

**Parent specimen Label format: % PPI% \_%SYS\_UID%**

**Derivative specimen Label format: %SYS\_UID%**

**Aliquot specimens Label format: Blank.**

**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 https://ncisvn.nci.nih.gov/svn/catissue\_persistent/caTissueDocs/trunk/TestCases/Manual/print\_rules.xls

**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 “***Pediatrics CP***” from the ***Collection protocol*** drop-down list.
3. Select participant “***Jenn, Jenn***” 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; Collection***. 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. Click on Submit. Enter labels for aliquot specimen. Refer the expected Output.
7. Repeat the steps 4-6 for the study calendar event point ***T5.0; Post Collection.*** Refer the expected output.
8. 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.
9. Click on Submit.
10. 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.
11. Click on Submit.
12. Navigate to Biospecimen Data-🡪Specimen🡪Aliquot page. Enter parent specimen label of the specimen collected in step6. Enter count as 2, quantity as 0.1. Refer the expected Output.
13. Click on Submit.
14. Navigate to Biospecimen Data-🡪Specimen🡪Derive page. Enter parent specimen label of the specimen collected in step6. Refer the expected Output.
15. 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; Collection***
* ***T5.0; Post Collection***

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 and derivatives should be shown as “***AUTO-GENERATED***”. The label text-boxes for aliquots should be shown empty for user to enter labels. The event icon for ***T0.0; Initial Diagnosis*** should turn golden-brown.

6 Edit specimen collections Group page should be displayed, a message should be shown as “***Printed successfully***”. Specimen labels should be printed in order of specimen identifier. 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. Unique labels should be generated for all 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 |
| **%SP\_TYPE%** | For adding specimen type abbreviation. The abbreviations are picked up from “Abbreviations.xml” present in JBOSS\_HOME/servers/default /catissuecore-properties folder. |
| **%YR\_OF\_COLL%** | For adding year of collection of specimen. |
| **%PPI%** | For adding participant protocol id in specimen label. |
| **Labels for specimens collected as per CP definition** | In case system identifier for parent specimen is <SYS\_UID> is 101, participant protocol identifier <PPID> is 102, labels generated for parent specimen would be 102\_101 |
| **Labels for specimens collected not as per CP definition** | In case the system identifier for parent specimen <SYS\_UID> is 100, specimen type is Whole Blood <SP\_TYPE>, year of collection <YR\_OF\_COLL> is 2011 and participant protocol identifier <PPID> is 100, labels generated for parent specimens collected outside CP would be 100\_WB\_2011. |

Verify the .cmd files generated at JBOSS-HOME/bin/print/printer. The .cmd file should show details as per the configured print.xlsx. The specimen labels in the .cmd files should be as per the table above.

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

9 A message should be displayed as “Specimens created successfully”. Labels generated for the specimens should be as per format

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

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

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

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

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

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