**Purpose: To ensure super administrator can distribute an order of existing Biospecimen arrays and Tissue slide from block of existing arrays successfully.**

**Prerequisite:** Import dump located at /files/caTissue/dump and deploy application.

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 scientist user Sci1 ([sci1@sci.com](mailto:sci1@sci.com)) Test123.
2. Navigate to Search-🡪Saved Queries.
3. Select Query title ***Tissue\_array\_Distribution*** to execute.
4. Click on Execute on Configure Query parameters.
5. On View results page, check the “Check-All on this page” check-box. Verify the specimen array list on results page. Refer the expected output.
6. Click on Add to My list. Refer the expected Output.
7. Navigate to Search-🡪My list view.
8. Select the Check All button in my list view.
9. Select the radio-button for Order Biospecimen and Click on Submit.
10. In the Biospecimen Order page, enter Order List Title: ***Ellis Sildes Request*** , Select Distribution Protocol from the drop-down list as ACOSOG\_Z1031
11. Click on Next.
12. On the order details page, Click on Biospecimen Array tab. Verify the specimen array list. Refer the expected output.
13. Select the check-box next to Specimen Array labels. Select Specimen Array with labels as Generic TMA 18x28\_167 and Generic TMA 18x28\_166 from the list.
14. Click on Add to Order list. Refer the expected Output.
15. Select radio button next to Tissue slide from Block.
16. Check the check box next to Generic TMA 18x28\_167.
17. Click on Add to Order list. Refer the expected Output.
18. Click on Order.
19. Login as super administrator, [admin@admin.com(Test123)](mailto:admin@admin.com(Test123)).
20. Navigate to Biospecimen Data🡪Order view.
21. Select order name “***Ellis Sildes Request***”. Verify the order details such as Order Name, Distribution Protocol, Requestor Name, and Requestor Date. Refer the expected Output.
22. Click on Array Request tab, click on Show Details section. Verify the details shown in Array Request tab. refer the expected output.
23. Select status as Distributed, distribution site as “Laboratory for translational pathology”.
24. Click on Submit. Refer the expected output.
25. Expand the show details section on Distribution report page. Click on Define View.
26. Select object name as Collection Protocol Registration, select column name as Protocol participant identifier. Click on Add to view.
27. Click on Submit. Refer the expected output.
28. Check the Select All check box; Click on export button. Refer the expected output.
29. Click on Save button on the csv file.
30. Click the print labels button. Refer the expected output

**Expected Output:**

5 The specimen array list on View results page should display following specimen arrays:

|  |
| --- |
| Name : Specimen Array |
| Generic TMA 18x28\_167 |
| Generic TMA 18x28\_166 |

6 A message should be displayed as “2 records are added to my list”.

12 The order of specimen arrays in the list displayed in Order details page should be same as the order of Specimen Arrays in my list view.

14 Specimen Array should be added in the Order list on the R.H.S.

15 A message should be displayed as “Order successfully created for ***Ellis Sildes Request***”.

21 The order details page should show following details.

|  |  |  |
| --- | --- | --- |
|  | **Order Name** | ***Ellis Sildes Request*** |
|  | **Distribution Protocol** | ACOSOG Z1031: Randomized Phase III Trial Comparing 16 to 18 weeks of Neoadjuvant Exemestane, Letrozole, or Anastrozole in Post menopausal Women with clinical Stage II and III Estragen Receptor Postitive Breast Cancer-DP |
|  | **Requestor Name** | Admin,admin |
|  | **Requestor Date** |  |

22 The Array request details should be as per below table:

|  |  |
| --- | --- |
| **Array Name** | Quantity |
| Generic TMA 18x28\_167 | 1 count |
| Generic TMA 18x28\_166 | NA |

24 A message should be displayed as “Order successfully updated for ***Ellis Sildes Request***”. Distribution report and distribution item list should be displayed. Distribution report should display following details.

1. Distribution Identifier
2. Distribution Protocol
3. User
4. Date
5. Time
6. To Site
7. Comments

Distributed items should display specimen details such as: Name Specimen Array, Barcode Specimen Array, Array type, Position Dimension one, Position Dimension two, Dimension one, Dimension two, Specimen Class and Specimen type.

27 Distributed items section should display all the columns configured using Define View. The columns shown should be

1. Name Specimen Array
2. Barcode Specimen Array
3. Array type
4. Position Dimension one
5. Position Dimension two
6. Dimension one
7. Dimension two
8. Specimen Class
9. Specimen type
10. PPID

28 DistributionReport.csv should open with following details as:

1. Distribution Protocol
2. User
3. Date
4. Time
5. To Site
6. Comments
7. Name Specimen Array
8. Barcode Specimen Array
9. Array type
10. Position Dimension one
11. Position Dimension two
12. Dimension one
13. Dimension two
14. Specimen Class
15. Specimen type
16. PPID

29 Clicking on save button of file download window, distribution report should be saved at selected location

30 A message should be displayed as “Printed successfully”. Verify the cmd files generated at JBOSS-HOME/bin/print/printer. The .cmd file should show details as per the configured print.xlsx

**Verification Logic:**

1. Navigate to Order View. The created order should be displayed in Order list.
2. 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\_order.
3. In CATISSUE\_DATA\_AUDIT\_EVENT\_LOG table Object Name should contain catissue\_order. Object\_ID is the unique ID of the object inserted. Parent\_id will be null for the main object. 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.
4. In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element name contains the list of attributes that are in CATISSUE\_ORDER, CATISSUE\_ \_SP\_AR\_ORDER\_ITEM.ID of all the reference and containment association classes should also be audited.
5. 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\_order.
6. In CATISSUE\_DATA\_AUDIT\_EVENT\_LOG table Object Name should contain catissue\_order. Object\_ID is the unique ID of the object inserted. Parent\_id will be null for the main object. 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.
7. In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element name contains the list of attributes that are in CATISSUE\_DISTRIBUTION .ID of all the reference and containment association classes should also be audited.
8. 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.