**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 Ordering and Distribution Component
6. Expand Request Review & Distribution test area
7. Select Test case ID 9583 with short title Distribution\_Success\_Specimen\_SpecimenArray\_Pathology\_Cases

**Purpose: To ensure super administrator can distribute an order of specimen and specimen array of blocks from surgical pathology case accession.**

**Prerequisite:**

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 a scientist user Sci1 ([sci@sci.com](mailto:sci@sci.com)) Log123.
2. Navigate to Search-🡪Saved Queries.
3. Select Query title Query***\_Surgical\_Pathology\_Reports*** 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 surgical pathology cases 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 Title: ***Ellis\_Path\_Cases\_Request*** ,Select Distribution Protocol from the drop-down list as ***ACOSOG\_Z1031***
11. Click on Next.
12. On the order details page, Click on pathology reports tab. Verify the pathology cases list. Refer the expected output.
13. Select the check-box next to SPR Accession Number. Select all the surgical pathology cases from the list.
14. Select the Radio-button next to Block from Case list section.
15. Select Specimen Class as ***Tissue***, Specimen Type as ***Fixed Tissue***, Tissue site as ***Lung NOS***, Pathological Status as ***Malignant.*** Click on Apply to All. Enter required quantity as 2.
16. Click on Add to Order list. Refer the expected Output.
17. Select radio-button next to Block in Case list section. Refer the expected output.
18. Enter Tissue site as ***Lung NOS***, Pathological Status as ***Malignant.*** Click on Apply to All. Enter required quantity as 2.
19. Click on Add to Order list. Refer the expected Output.
20. Click on Define Array link. Enter Array name as Spec\_Array3. Select Array type as ***Tissue Array***. Click on Create.
21. Verify the list of Array names shown in the drop-down. Refer the expected Output.
22. Select the created array from the drop-down. Select specimens with SPR accession number, by checking the check-box next to each SPR accession number. Click on Add to Order list. Refer the expected Output.
23. Click on Order.
24. Login as a super administrator [admin@admin.com(Test123)](mailto:admin@admin.com(Test123))
25. Navigate to Biospecimen Data -🡪Order View.
26. Select order name ***“Ellis\_Slides\_Request”.*** Verify the order details such as Order Name, Distribution Protocol, Requestor Name, and Requestor Date and specimen details. Refer the expected Output.
27. Click on Array Request tab. Verify the details shown on the page. Refer the expected Output.
28. For the SPR accession number Click on Create. Verify the details shown on New Specimen page. Refer the expected Output.
29. Click on Submit.
30. On the array request section, Verify the requested specimen details, Refer the expected Output.
31. Repeat the steps above for SPR accession number. Select the status as Ready for Array Preparation.
32. Click on Create Array. Verify the Specimen Array details on Add specimen array page. Refer the expected Output.
33. Enter specimen labels of above specimens created in step 7, 8.
34. Click on Upload Specimen Array. Refer the expected Output.
35. Select Array status as Distributed, distribution site as “***Laboratory for translational pathology***”. The consent pops up should display consent statements as follows:

* Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer.
* Consented to being contacted in the future to ask if he/she would like to take part in more research.
* Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease)

1. Click on Submit.

**Expected Output:**

5 The specimen list on View results page should display following specimens.

6 A message should be displayed as “records are added in the list”.

12 The order of specimens in the list displayed in Order details page should be same as the order of specimens in my list view.

14 A column should display the collection protocol name to which the pathology cases belong to. The specimens selected should be added in the Order list on R.H.S

15 On selecting radio button next to Derivative Specimen, a section with drop-downs for Specimen Class, Specimen Type and Required quantity would appear.

16 The required quantity for all the specimens in the list should be updated to 3.

19 The order list on R.H.S of order page should display the derivative specimens added.

21 Array with name Spec\_Array2 should be listed in the Array name drop-down list. The order list on R.H.S should display the created array details such as name, type and dimensions.

22 The specimens added to specimen array Spec\_Array2 should be displayed in the Order list on R.H.S.

23 Currently the consents associated to a protocol with pathology cases are not getting verified at the time of specimen distribution. Refer bug id: 9998 for details. A message should be displayed as “Order successfully created for Order\_3”. A mail notification should be sent to the scientist (who placed the order) and the administrator.

**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.