**Purpose: To ensure shipment requests are processed by sender site and shipments are stored by a receiver site successfully.**

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

**Procedure:**

1. Login as a super administrator user admin@admin.com Test123.
2. Navigate to Search-🡪Saved Queries.
3. Select Query title ***Specimens\_ ToShip\_KTRC*** to execute.
4. Click on Execute on Configure Query parameters page.
5. On View results page, check the “Check-All on this page” check-box. Verify the specimen 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 Request Biospecimens and Click on Submit.
10. On the New shipment request page, enter shipment label as ***KTRC\_Shipment***, Select requester site as Laboratory for translational pathology.
11. In the contents section, Specimen list should be populated. Verify the specimen list. Refer the expected output.
12. Select the check-box next to Specimen labels. Select all the specimens from the list.
13. Enter container name as ***TSF 1 Box 3, TSF 1 Box 5, and TSF 1 Box 4.***
14. Click on Create.
15. Navigate to Biospecimen Data-🡪Shipping and Tracking. Verify the details on dashboard.
16. Login as super administrator ([admin@admin.com](mailto:admin@admin.com), Test123).
17. Navigate to Biospecimen Data-🡪Shipping and Tracking.
18. From the Dashboard, select shipment request ***KTRC\_Shipment.***
19. On the shipment request details page, click on Create Shipment. Verify the contents details shown on Shipment request details. Refer the expected Output.
20. On Create New Shipment page, enter shipment label as ***LTP\_Shipment***. Verify the shipment details on Create Shipment page. Refer the expected Output.
21. Click on Create. Verify the details on Shipment page. Refer the expected Output.
22. Navigate to Biospecimen Data-🡪Shipping and Tracking. Verify the details on dashboard.
23. From the shipment list on Dashboard, select shipment with label ***LTP\_Shipment***.
24. On Received shipment page, verify the shipment details displayed on shipment page. Refer the expected Output.
25. In specimen details section, select the check-box next to specimens with specimen label as 115\_3 and 118\_3.Select Reject and Return. Refer the expected Output.
26. Select the check-box next to specimens with labels as 115\_4 and 117\_2.Select Reject and destroy. Refer the expected Output.
27. Select the storage location of specimens with labels as 118\_4,118\_1 and 117\_3 as Auto. Select container from the drop-down.
28. For the rest of the specimens, select storage location as Manual. Click on Map button. Select storage container as ***Forma LN2 F1*** from the container map. Click on Apply First location to all.
29. In the container details section, select site as Laboratory for translational pathology.
30. Click on Submit. Refer the expected Output.

**Expected Output:**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Specimen : Label | Specimen : Specimen Type | Specimen : Lineage | Specimen : Specimen Class | Specimen : Initial Quantity |
| 115\_1 | Whole Blood | New | Fluid | 20 |
| 118\_2 | Frozen Cell Pellet | Aliquot | Cell | 10000000 |
| 117\_1 | Plasma | Aliquot | Fluid | 1 |
| 117\_5 | Urine | Aliquot | Fluid | 2 |
| 115\_2 | Frozen Cell Pellet | Aliquot | Cell | 10000000 |
| 115\_5 | Serum | Aliquot | Fluid | 1 |
| 117\_4 | Serum | Aliquot | Fluid | 1 |
| 118\_5 | Whole Blood | New | Fluid | 10 |
| 118\_4 | Plasma | Aliquot | Fluid | 1 |
| 118\_1 | Urine | Aliquot | Fluid | 2 |
| 117\_3 | Plasma | Aliquot | Fluid | 1 |
| 115\_4 | Urine | Aliquot | Fluid | 2 |
| 117\_2 | Serum | Aliquot | Fluid | 1 |
| 115\_3 | Frozen Cell Pellet | Aliquot | Cell | 10000000 |
| 118\_3 | Frozen Cell Pellet | Aliquot | Cell | 10000000 |

6 A message should be displayed as “15 records are added in the list”.

11 The order of specimens in the list displayed in New Shipment page should be same as the order of specimens in my list view.

14 A message should be displayed as “***Shipment request successfully created***”.

15 Under Shipment request, a shipment request with following details should be displayed.

|  |  |
| --- | --- |
| Label | ***KTRC\_Shipment*** |
| Requestor Site | Lab for translational pathology core |
| Requestor | Admin\_dmp |
| Requested On |  |
| Status | In Progress |

19 The shipment request details page should display following details.

|  |  |
| --- | --- |
| Label | Spec\_request |
| Requestor Site | Lab for translational pathology core |
| Shipping Time |  |
| Specimens | 115\_1,118\_2,117\_1,117\_5  115\_2,115\_5,117\_4,118\_5,  118\_4,118\_1,117\_3,115\_4  117\_2,115\_3,118\_3 |
| Container | TSF 1 Box 3***,***TSF 1 Box 5, TSF 1 Box 4 |

20 The Create New Shipment page should display following details.

|  |  |
| --- | --- |
| Sender site | KTRC |
| Requestor Site | Lab for translational pathology core |
| Shipping Time |  |
| Specimens | 115\_1,118\_2,117\_1,117\_5  115\_2,115\_5,117\_4,118\_5,  118\_4,118\_1,117\_3,115\_4  117\_2,115\_3,118\_3 |
| Container | TSF 1 Box 3***,***TSF 1 Box 5, TSF 1 Box 4 |

21 A message should be displayed as “Shipment successfully created”. The shipment page should display following details.

|  |  |
| --- | --- |
| Shipment label | LTP\_Shipment |
| Sender name | Admin\_dmp |
| Sender Site | KTRC |
| Sender Phone |  |
| Sender email | dmp@dmp.com |
| Bio repository manager | admin@admin.com |
| Receiver Site | LTP |
| Sent on |  |

22 The dashboard should be updated with following details under Shipment Request.

|  |  |
| --- | --- |
| Label | Spec\_request |
| Requestor Site | Lab for translational pathology core |
| Requestor | Admin\_dmp |
| Requested On | 2011-01-24 |
| Status | Processed |

The dashboard should be updated with following details under Shipment.

|  |  |
| --- | --- |
| Sender Site | KTRC |
| Label | LTP\_Shipment |
| Sender | Admin\_dmp |
| Sent On |  |
| Status | In Transit |

24 The shipment details should be displayed as per the below table:

|  |  |
| --- | --- |
| Shipment label | Test ship |
| Sender site | KTRC |
| Receiver site | LTP |
| Sender | admin@admin.com |
| Receiver | Admin1@wustl.edu |

25 The status of selected specimens should be updated to Reject and Return.

26 The status of selected specimens should be updated to Reject and Destroy.

30 A message should be displayed as “Shipment successfully updated”. A mail notification should be sent to the user (who placed the shipment request) and the administrator.

**Verification Logic**

1. Navigate to Biospecimen🡪Shipping and Tracking. The shipment request created should be displayed in the dashboard.
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\_SHIPMENTREQUEST.ID of all the reference and containment association classes should also be audited.
5. Navigate to Biospecimen🡪Shipping and Tracking. The shipment created should be displayed in the dashboard.
6. 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.
7. 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.
8. In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element name contains the list of attributes that are in CATISSUE\_SHIPMENT.ID of all the reference and containment association classes should also be audited.
9. 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**.**