**Purpose:**

Testing the display of events at specimen level based on Processing SPP and Creation event set at protocol level

**Prerequisites:**

Download and refer the below test case: <https://ncisvn.nci.nih.gov/svn/catissue/caTissueDocs/trunk/TestCases/Manual/9576_CollectionProtocol_Add_Success.docx>

1. As per the above test case create collection protocol ,events and specimens

**Procedure:**

1. Login as ***super administrator*** into application
2. Navigate to Biospecimen Data 🡪 Collection protocol based view 🡪Specimen🡪Edit
3. Select the parent specimen of the first event as created referring to the above test case
4. Go to its Events tab
5. Observe the display of the events (Refer the expected output )
6. Now, Select the first derivative of parent specimen of the first event
7. Repeat steps 4-5 (Refer the expected output )
8. Likewise, Select the parent specimen of the second event as created referring to the above test case
9. Go to its Events tab
10. Observe the display of the events (Refer the expected output )
11. Now, Select the first derivative of the second event
12. Repeat steps 9-10 (Refer the expected output )
13. Now, Select the second derivative of the second event
14. Repeat steps 9-10 (Refer the expected output )

**Expected Output:**

**(**Refer the below table for the display of the events**)**

**5.** Collection and frozen events should be displayed for the parent specimen of the first event

**7.** Collection and frozen events should be displayed for the first derivative of parent specimen of the first event

**10.** Collection, Spun, IsolateBuffyCoat, LyseRBC, Incubation, Resuspension, Aliquot events should be displayed for the parent specimen of the second event

**12.** Collection, Spun, IsolateBuffyCoat, LyseRBC, Incubation, Resuspension, Spun, RemoveSupernatant, SnapFreeze, FrozenEventParameters should be displayed for the first derivative of the second event

**14.** Collection, Spun, IsolateBuffyCoat should be displayed for the second derivative of parent specimen of the second event

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| **Parent Specimen** | **First derivative** |  |  | **Event 1** |
| Fresh Tissue (Tissue) | Frozen Tissue(Tissue) |  |  |  |
| **Creation event** | **Creation event** |  |  |  |
| Collection | Frozen event parameters |  |  |  |
| **Processing SPP** | **Processing SPP** |  |  |  |
| Frozen Tissue Processing |  |  |  |  |
| **Events** | **Events** |  |  |  |
| Collection | Collection |  |  |  |
| Frozen | Frozen |  |  |  |
|  |  |  |  |  |
| **Parent Specimen** | **First derivative** | **Second derivative** |  | **Event 2** |
| Whole Blood (Fluid) | Frozen cell pellet (Cell) | Plasma (Fluid) |  |  |
| **Creation event** | **Creation event** | **Creation event** |  |  |
| Collection | Re suspension | Isolate Buffy Coat |  |  |
| **Processing SPP** | **Processing SPP** | **Processing SPP** |  |  |
| Cell Pellet Creation | Frozen Cell Pellet Processing |  |  |  |
| **Events** | **Events** | **Events** |  |  |
| Collection | Collection | Collection |  |  |
| Spun | Spun | Spun |  |  |
| IsolateBuffyCoat | IsolateBuffyCoat | IsolateBuffyCoat |  |  |
| LyseRBC | LyseRBC |  |  |  |
| Incubation | Incubation |  |  |  |
| Resuspension | Resuspension |  |  |  |
| Aliquot | Spun |  |  |  |
|  | RemoveSupernatant |  |  |  |
|  | SnapFreeze |  |  |  |
|  | FrozenEventParameters |  |  |  |

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