**Purpose:**

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

**Prerequisites:**

1. Download the below test case and as per the above test case create collection protocol ,events and specimens: <https://ncisvn.nci.nih.gov/svn/catissue/caTissueDocs/trunk/TestCases/Manual/9576_CollectionProtocol_Add_Success.docx>

**Procedure:**

1. Login as ***super administrator*** into application
2. Navigate to Biospecimen Data 🡪 Collection protocol based view
3. Select the above collection protocol
4. Select the parent specimen of the first SCG as created referring to the above test case
5. Go to its SPP tab
6. Enter data for all the events for the associated spp
7. Click on submit
8. Go to its Events tab
9. Observe the display of the events (Refer the table under the expected output )
10. Now, select the first derivative of parent specimen of the first SCG
11. Repeat steps 5-9 (Refer the table under the expected output )
12. Likewise, select the parent specimen of the second SCG as created referring to the above test case
13. Repeat steps 5-9 (Refer the table under the expected output )
14. Now, select the first derivative of the second SCG
15. Repeat steps 5-9 (Refer the table under the expected output )
16. Now, select the second derivative of the second SCG
17. Repeat steps 5-9 (Refer the table under the expected output)
18. Now, edit the parent specimen of second SCG by selecting it
19. Go to its SPP tab
20. Enter the data for the Spun and Isolate buffy coat (events before creation event) and set a timestamp greater than the current timestamp under Cell pellet creation processing SPP
21. Click on submit (Refer the expected output )
22. Go to its events tab (Refer the table under the expected output)
23. Now, select the first derivative of parent specimen by selecting it
24. Go to its events tab (Refer the table under the expected output )
25. Observe the display of the events (Refer the table under the expected output )
26. Now, select the second derivative of parent specimen
27. Go to its events tab
28. Observe the display of the events (Refer the table under the expected output )
29. Now, again edit the parent specimen of second SCG by selecting it
30. Go to its SPP tab
31. Enter the data for the Aliquot (events after creation event) and set a timestamp lesser than the current timestamp under Cell pellet creation processing SPP
32. Click on submit (Refer the expected output )
33. Go to its events tab (Refer the table under the expected output

**Expected Output:**

**20.** Data entered for the events and timestamp should get saved for the Tissue collection processing SPP and events should be listed in the events tab on the specimen details page.

**32**. Data entered for the events and timestamp should get saved for the Aliquot SPP and events should be listed in the events tab on the specimen details page

Refer the below table for the display of the events:

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| **SCG2**: |
| SCG SPP details: |  |  |  |  |  |
| Processing SPP--> Tissue collection |  |  |  |  |  |
| **Parent Specimen** |  | **First derivative** |  | **Second derivative** |  |
| 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** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** |
| Collection | 1/12/2011 10:50AM | Collection | 1/12/2011 10:50AM | Collection | 1/12/2011 10:50AM |
| Spun | 1/12/2011 10:50AM | Spun | 1/12/2011 10:50AM | Spun | 1/12/2011 10:50AM |
| IsolateBuffyCoat | 1/12/2011 10:50AM | IsolateBuffyCoat | 1/12/2011 10:50AM | IsolateBuffyCoat | 1/12/2011 10:50AM |
| LyseRBC | 1/12/2011 10:50AM | LyseRBC | 1/12/2011 10:50AM |  |  |
| Incubation | 1/12/2011 10:50AM | Incubation | 1/12/2011 10:50AM |  |  |
| Resuspension | 1/12/2011 10:50AM | Resuspension | 1/12/2011 10:50AM |  |  |
| Aliquot | 1/12/2011 10:50AM | Spun | 1/12/2011 11:00AM |  |  |
|  |  | RemoveSupernatant | 1/12/2011 11:00AM |  |  |
|  |  | SnapFreeze | 1/12/2011 11:00AM |  |  |
|  |  | FrozenEventParameters | 1/12/2011 11:00AM |  |  |

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| **Display of grid after data entry for events spun and isolate buffy coat (Before creation event)** | | | |  |  |
| **parent specimen** |  | **First derivative** |  | **Second derivative** | **Timestamp** |
| **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** |
| Collection | 1/12/2011 10:50AM | Collection | 1/12/2011 10:50AM | Collection | 1/12/2011 10:50AM |
| LyseRBC | 1/12/2011 10:50AM | LyseRBC | 1/12/2011 10:50AM | Spun | 1/12/2011 11:55AM |
| Incubation | 1/12/2011 10:50AM | Incubation | 1/12/2011 10:50AM | IsolateBuffyCoat | 1/12/2011 11:55AM |
| Resuspension | 1/12/2011 10:50AM | Resuspension | 1/12/2011 10:50AM |  |  |
| Aliquot | 1/12/2011 10:50AM | Spun | 1/12/2011 11:00AM |  |  |
| Spun | 1/12/2011 11:55AM | RemoveSupernatant | 1/12/2011 11:00AM |  |  |
| IsolateBuffyCoat | 1/12/2011 11:55AM | SnapFreeze | 1/12/2011 11:00AM |  |  |
|  |  | FrozenEventParameters | 1/12/2011 11:00AM |  |  |
|  |  | Spun | 1/12/2011 11:55AM |  |  |
|  |  | IsolateBuffyCoat | 1/12/2011 11:55AM |  |  |

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Display of grid after data entry for aliquot event (After creation event)** | | |  |  |  | | **parent specimen** |  | **First derivative** |  | **Second derivative** |  | | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | | Aliquot | 1/12/2011 09:50AM | Collection | 1/12/2011 10:50AM |  |  | | Collection | 1/12/2011 10:50AM | LyseRBC | 1/12/2011 10:50AM | Collection | 1/12/2011 10:50AM | | LyseRBC | 1/12/2011 10:50AM | Incubation | 1/12/2011 10:50AM | Spun | 1/12/2011 11:55AM | | Incubation | 1/12/2011 10:50AM | Resuspension | 1/12/2011 10:50AM | IsolateBuffyCoat | 1/12/2011 11:55AM | | Resuspension | 1/12/2011 10:50AM | Spun | 1/12/2011 11:00AM |  |  | | Spun | 1/12/2011 11:55AM | RemoveSupernatant | 1/12/2011 11:00AM |  |  | | IsolateBuffyCoat | 1/12/2011 11:55AM | SnapFreeze | 1/12/2011 11:00AM |  |  | |  |  | FrozenEventParameters | 1/12/2011 11:00AM |  |  | |  |  | Spun | 1/12/2011 11:55AM |  |  | |  |  | IsolateBuffyCoat | 1/12/2011 11:55AM |  |  | |
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