**Purpose:**

Testing the display of events are according to timestamps at specimen level based on Processing SPP and Creation event set at protocol level and when ad-hoc events are added before and after the creation events

**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/Add\_Collection\_prot ocol\_SPP\_adhoc\_events.docx](https://ncisvn.nci.nih.gov/svn/catissue/caTissueDocs/trunk/TestCases/Manual/Add_Collection_prot%20ocol_SPP_adhoc_events.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 (S1)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 second derivative (D2)of parent specimen of the first SCG
11. Repeat steps 5-9 (Refer the table under the expected output )
12. Now, Select the child derivative (D2\_1) of second derivative of parent specimen of the first SCG
13. Repeat steps 5-9 (Refer the table under the expected output )
14. Now, Select the child derivative (D2\_2)of second derivative of parent specimen of the first SCG
15. Repeat steps 5-9 (Refer the table under the expected output )
16. Likewise, Select the parent specimen (S1) of the second SCG as created referring to the above test case
17. Go to its SPP tab
18. Enter data for all the events for the associated spp
19. Click on submit
20. Go to its Events tab
21. Observe the display of the events (Refer the table under the expected output )
22. Now, Select the first derivative (D1) of parent specimen(S1) of the second SCG
23. Repeat steps 5-9 (Refer the table under the expected output )
24. Likewise, Select the parent specimen (S2) of the second SCG as created referring to the above test case
25. Repeat steps 5-9 (Refer the table under the expected output )
26. Now, Select the first derivative (D1) of parent specimen(S2) of the second SCG
27. Repeat steps 5-9 (Refer the table under the expected output )
28. Now, Select the child derivative (D1\_1) of first derivative (D1) of the second SCG
29. Repeat steps 5-9 (Refer the table under the expected output )
30. Now, edit the second derivative (D2)of parent specimen of the first SCG by selecting it
31. Go to its events tab
32. Add the adhoc event as thaw event parameters
33. Enter the data with timestamp less than the current timestamp
34. Click on submit (Refer the expected output )
35. Observe the display of the events (Refer the table under the expected output)
36. Now, edit the second derivative (D2)of parent specimen of the first SCG by selecting it
37. Go to its events tab
38. Select and edit the adhoc event thaw event parameters
39. Update the timestamp as greater than the current timestamp
40. Click on submit (Refer the expected output )
41. Observe the display of the events (Refer the table under the expected output)
42. Now observe the display of events for (D2\_1) and (D2\_2) on their respective event tab (Refer the table under the expected output)

**Expected Output:**

**34, 40** Thaw event should get saved with timestamp set and should be listed in the events tab on the specimen details page

Refer the below table for the display of the events

**SCG1** :

SCG SPP Details:

Processing SPP🡪 Activated Blood collection

**Display of events on grid as per the spp and creation events defined at cp level**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parent Specimen (S1)** |  | **Derivative D1** |  | **Derivative D2** |  | **Child derivative D2\_1** |  | **Child derivative D2\_2** |  |
| Whole Blood (Fluid) |  | Plasma (Fluid) |  | Cell |  | Cell |  | Cell |  |
|  |  | **Creation event** |  | **Creation event** |  | **Creation event** |  | **Creation event** |  |
| Activated Blood Collection:3:PeripheralBloodDraw |  | Anti coagulated Blood Processing:1:SpunEv entParameters |  | Anti coagulated Blood Processing:1:SpunEv entParameters |  | Buffy coat Processing:1:FicollSeperation |  | Buffy coat Processing:2:CellCryopreservation |  |
| **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  |
| Anti coagulated Blood Processing |  | Plasma Processing |  | Buffy coat Processing |  | Buffy coat Processing |  | Not Specified |  |
| **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** |
| GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM |
| ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM |
| PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM |
| SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM |
|  |  | FrozenEventParameters | 1/12/2011 9:15AM | FicollSeparation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:25AM |
|  |  |  |  | CellCryopreservation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:30AM | FicollSeparation | 1/12/2011 9:30AM |
|  |  |  |  |  |  | CellCryopreservation | 1/12/2011 9:30AM | CellCryopreservation | 1/12/2011 9:30AM |

**Display of grid after ad hoc event (Thaw) is added [Before creation event]**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parent Specimen (S1)** |  | **Derivative D1** |  | **Derivative D2** |  | **Child derivative D2\_1** |  | **Child derivative D2\_2** |  |
| Whole Blood (Fluid) |  | Plasma (Fluid) |  | Cell |  | Cell |  | Cell |  |
|  |  | **Creation event** |  | **Creation event** |  | **Creation event** |  | **Creation event** |  |
| Activated Blood Collection:3:PeripheralBloodDraw |  | Anti coagulated Blood Processing:1:SpunEv entParameters |  | Anti coagulated Blood Processing:1:SpunEv entParameters |  | Buffy coat Processing:1:FicollSeperation |  | Buffy coat Processing:2:CellCryopreservation |  |
| **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  |
| Anti coagulated Blood Processing |  | Plasma Processing |  | Buffy coat Processing |  | Buffy coat Processing |  | Not Specified |  |
| **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** |
| GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | ThawEventParameters | 1/11/2011 08:20AM | ThawEventParameters | 1/11/2011 08:20AM | ThawEventParameters | 1/11/2011 08:20AM |
| ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM |
| PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM |
| SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM |
|  |  | FrozenEventParameters | 1/12/2011 9:15AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM |
|  |  |  |  | FicollSeparation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:25AM |
|  |  |  |  | CellCryopreservation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:30AM | FicollSeparation | 1/12/2011 9:30AM |
|  |  |  |  |  |  | CellCryopreservation | 1/12/2011 9:30AM | CellCryopreservation | 1/12/2011 9:30AM |

**Display of grid after ad hoc event (Thaw) is added [After creation event]**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parent Specimen (S1)** |  | **Derivative D1** |  | **Derivative D2** |  | **Child derivative D2\_1** |  | **Child derivative D2\_2** |  |
| Whole Blood (Fluid) |  | Plasma (Fluid) |  | Cell |  | Cell |  | Cell |  |
|  |  | **Creation event** |  | **Creation event** |  | **Creation event** |  | **Creation event** |  |
| Activated Blood Collection:3:PeripheralBloodDraw |  | Anti coagulated Blood Processing:1:SpunEv entParameters |  | Anti coagulated Blood Processing:1:SpunEv entParameters |  | Buffy coat Processing:1:FicollSeperation |  | Buffy coat Processing:2:CellCryopreservation |  |
| **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  | **Processing SPP** |  |
| Anti coagulated Blood Processing |  | Plasma Processing |  | Buffy coat Processing |  | Buffy coat Processing |  | Not Specified |  |
| **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** | **Events** | **Timestamp** |
| GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM | GlucoseStimulation | 1/12/2011 9:00AM |
| ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM | ExerciseStimulation | 1/12/2011 9:00AM |
| PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM | PeripheralBloodDraw | 1/12/2011 9:00AM |
| SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM | SpunEventParameters | 1/12/2011 9:00AM |
|  |  | FrozenEventParameters | 1/12/2011 9:15AM | FicollSeparation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:25AM |
|  |  |  |  | CellCryopreservation | 1/12/2011 9:25AM | FicollSeparation | 1/12/2011 9:30AM | FicollSeparation | 1/12/2011 9:30AM |
|  |  |  |  | ThawEventParameters | 1/1/2012 03:30PM | CellCryopreservation | 1/12/2011 9:30AM | CellCryopreservation | 1/12/2011 9:30AM |

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