Proposed Solution

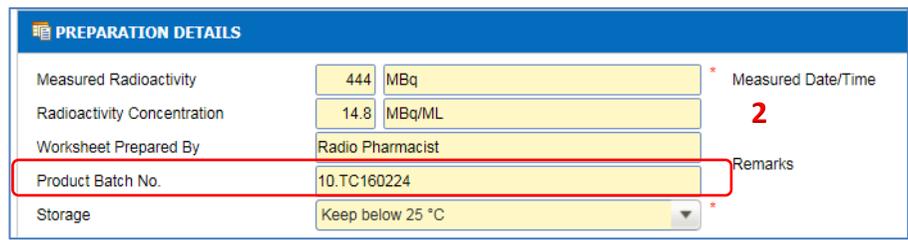| No.	Ticket #	Description	Requests	Proposed Solution
1.	I-PhIS012793715S	Saline Vial to not mandatory based on generator brand. Volume mandatory, saline vial not mandatory to select.	Saline Vial to not mandatory based on generator brand. Volume mandatory, saline vial not mandatory to select.	• Product Batch No.: i. Generate based on generator code & year ii. Generator code add in stock verification for user to specify code for each generator batch iii. Rename Product Batch No, eg: 'Tc151118', not 'TC151118'. Example of new batch number:01.01Tc151118. (Generator Code).(Running No)Tc(Date) • Saline Vial to not mandatory based on generator brand. • Quality Control: Add UOM dropdown for Measured MO-99 Activity (KBq @ µCi) & MO-99 Breakthrough (KBq/MBq @ µCi/mCi). Default selection based on UOM in Preparation screen. • To auto generate Expiry Date based on generator brand and move Expiry Date field to Preparation screen. • Label: i. To add drop down menu for Checked By. ii. Rename Labelling Date/Time to 'Elution Date/Time'". Add search box to search user from user profile. Field display in preparation screen, move from print label. • Worksheet: i. Rename ' Measured Radioactivity' to 'Measured Activity' ii. Rename 'Technetium (99mTc) Sodium Pertechnetate' to 'Sodium Pertechnetate Tc-99m' iii. Add date on Worksheet Prepared By & Preparation Done By iv. Date value take from Prepared Date, field name remain Date" • To update record in Stock Verification screen once done Approval.

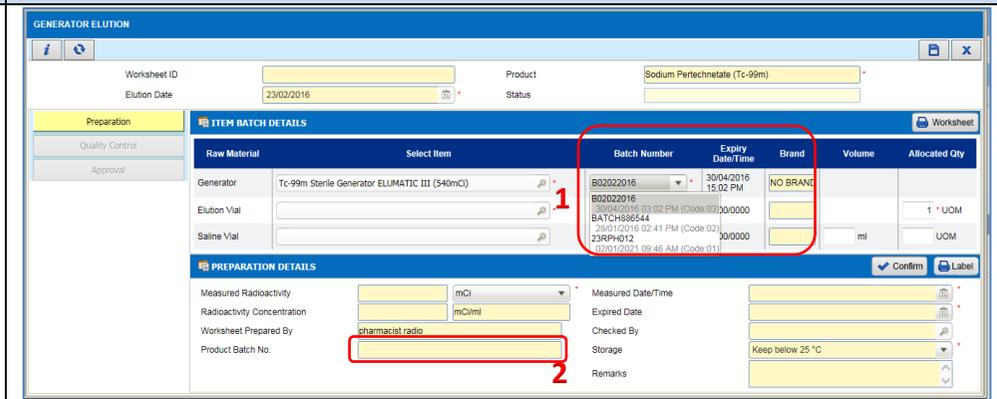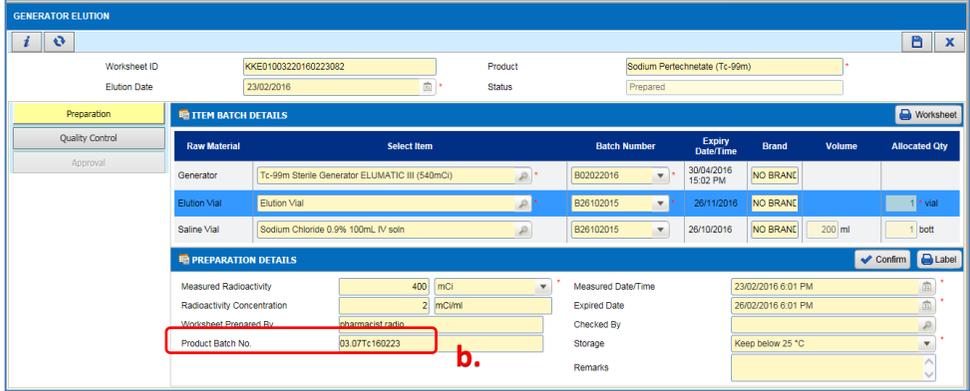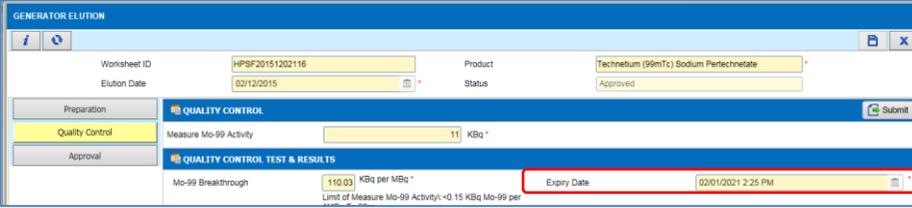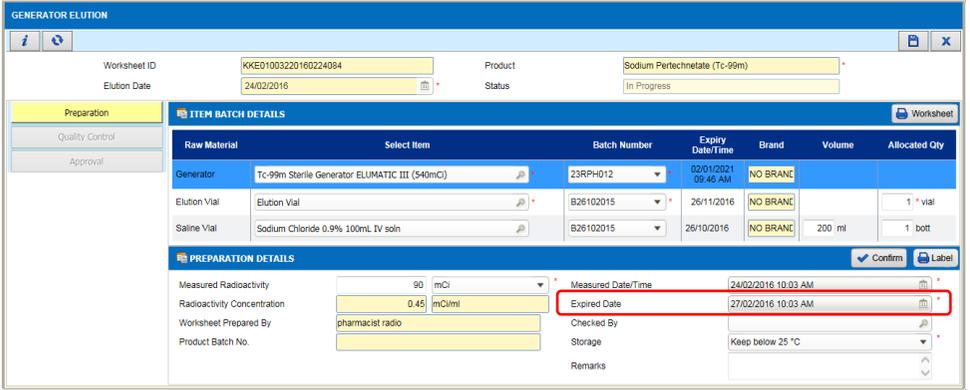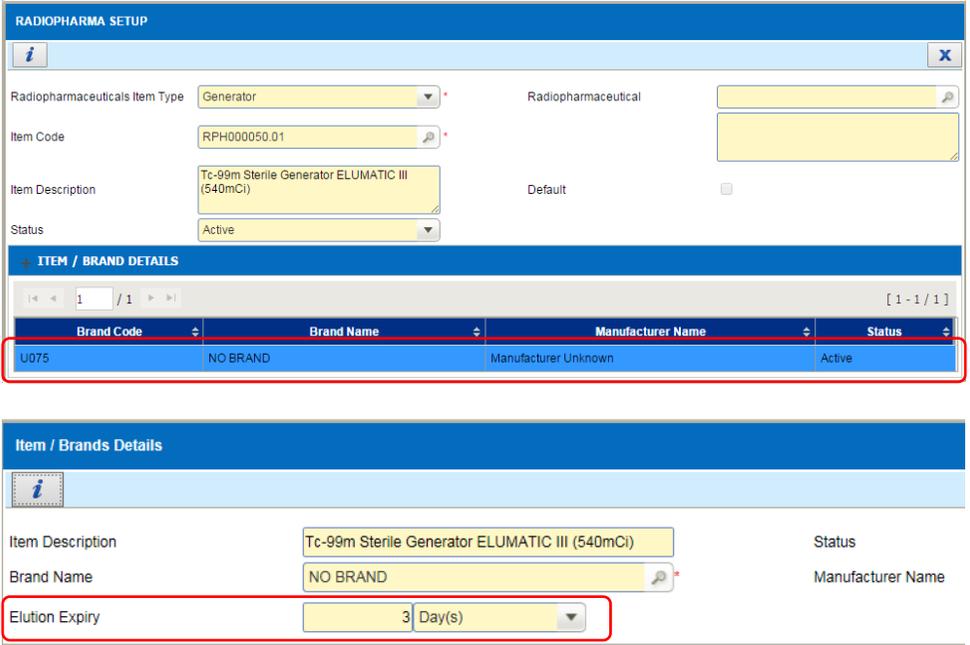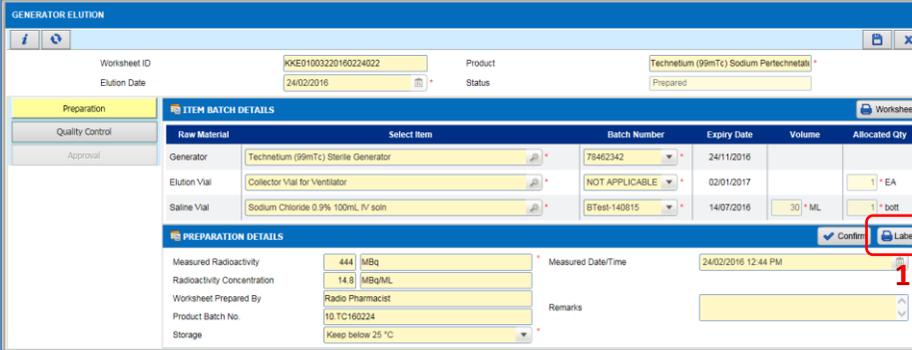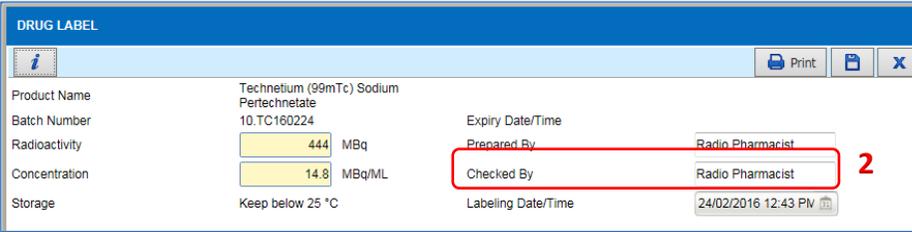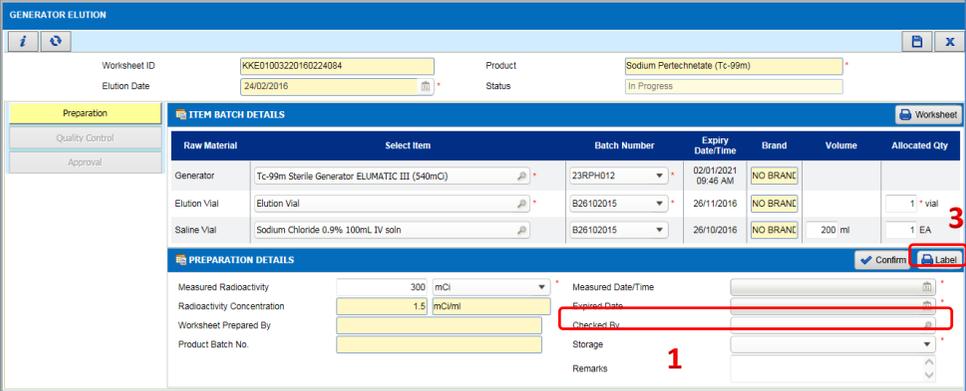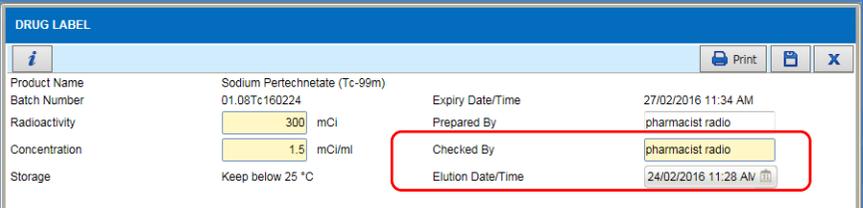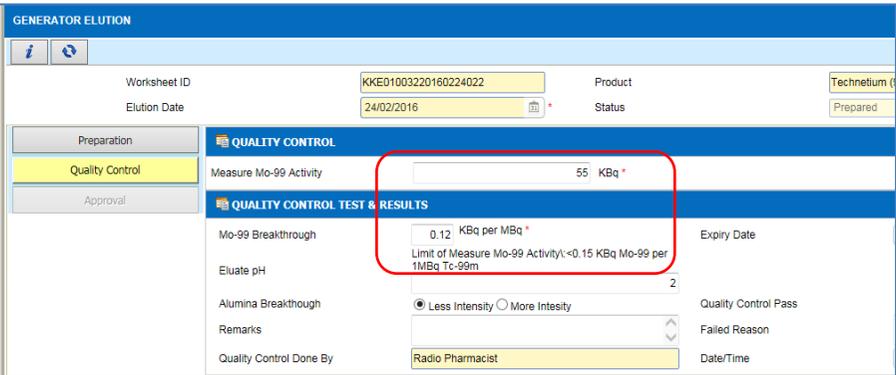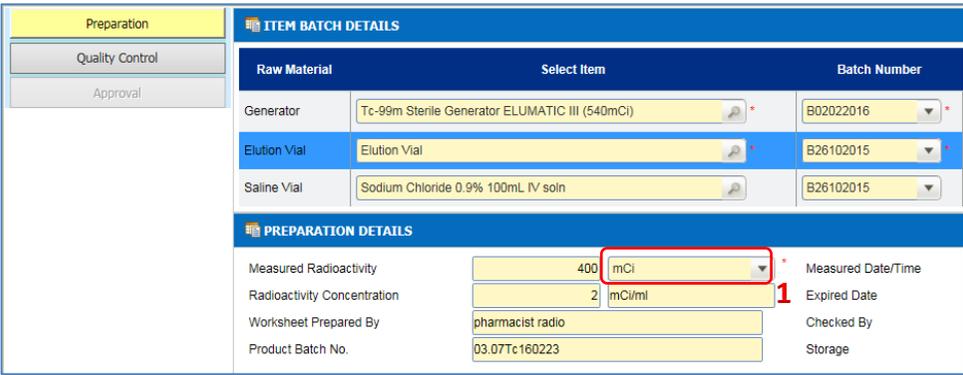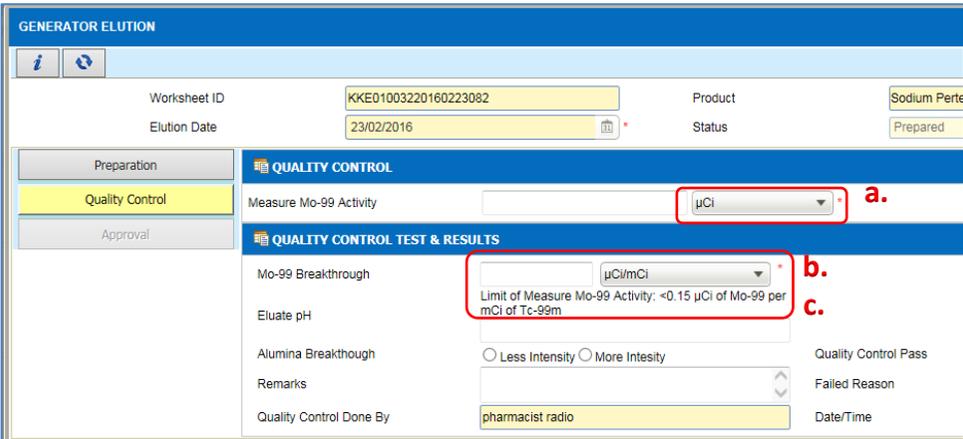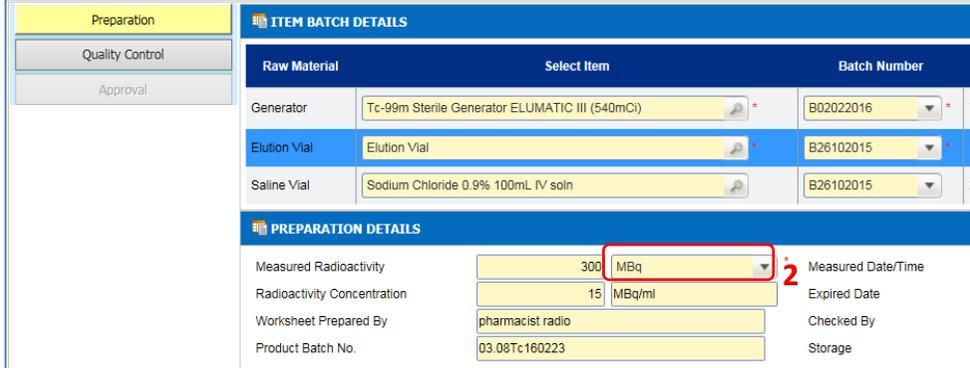| Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
1. Generator Batch Code and Product Batch No	 1. Once Generator item is selected, batch number is auto default based on 'First Expiry First Out'. Batch Number list display the Batch No and the Expiry Date. 2. Fill in all details, save and click Worksheet button. Confirm the record. Once confirmed, system auto-generate Product Batch No based on format below: Product Batch No format: (Running number).TC(current system date)	 1. When Generator item is selected, batch number is auto default based on 'First Expiry First Out'. Batch Number list updated to display the Batch No, Expiry Date/Time, Batch Code and Brand. 2. Generator batch code is **mandatory to set in Stock Verification** screen before using the batch in Generator Elution screen. The batch code will be used when generate new batch no for the Generator Elution product. 3. For example, in Stock Verification generator batch code is updated as below: a. Batch Code = 03 in year 2016. Batch Code is restricted to only integers with maximum up to only 2 characters. In the same year, there is validation that should not have duplicate batch code entered. b. In Generator Elution screen, after Confirm the Preparation record (status
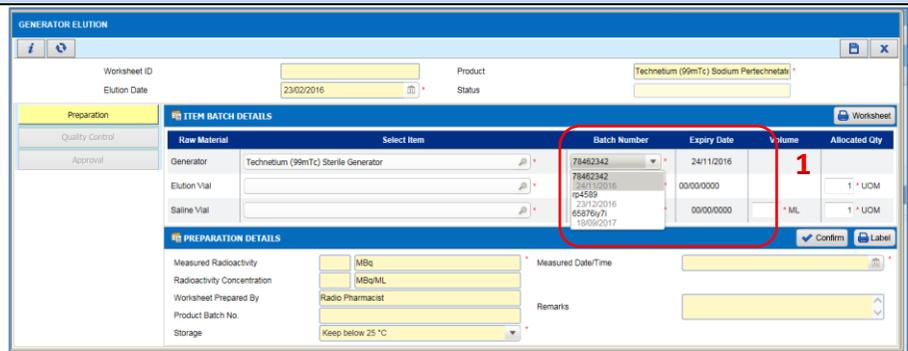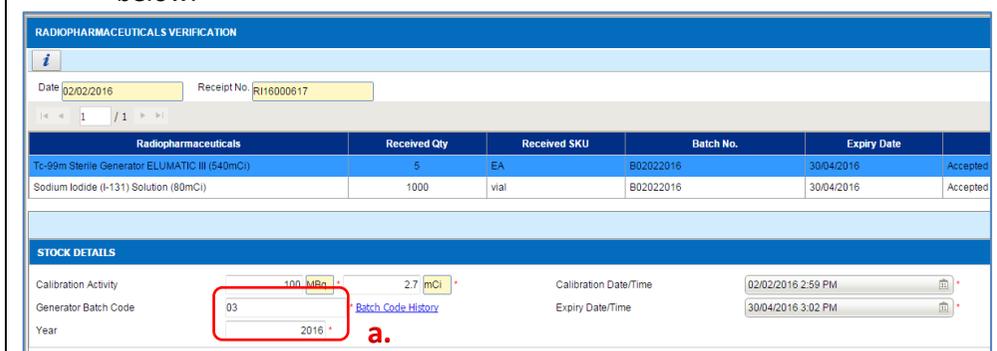
Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
		= Prepared), Product Batch No is generated as '03.07Tc160223': c. Updated the format to generate the Product Batch No as below: i. (Generator Code).(Running No)Tc(Date). Example of new batch number: 01.01Tc151118 ii. For Generator Code - based on the selected generator batch no set in Stock Verification screen. iii. For Running No - Accumulate the running number based on Generator Code and Year. Example as below:

Generator Batch No	Generator Batch Code	Year 2015	Year 2016
BN1234	01	01.01Tc151118	01.01Tc161118
	01	01.02Tc151118	01.02Tc161118
BNABC	02	02.01Tc151118	02.01Tc161118
	02	02.02Tc151118	02.02Tc161118

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
2. Saline Vial is not mandatory	**Saline Vial - Mandatory** Unable to save record if Saline Vial batch number and allocated qty is not entered: 	**Saline Vial – Not Mandatory** 1. Able to save and confirm Preparation details without selecting the Saline Vial item, batch number and allocated qty: 2. If Saline Vial item and batch selected but Allocated Qty not entered: Alert will display when click on Save or Worksheet button.

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
2. Product activity UOM	**Measured Radioactivity UOM** Measure Radioactivity UOM is based on SKU UOM in drug master. Only one UOM option available.	**Measured Radioactivity UOM** UOM updated to display UOM from Drug Master – Strength UOM or Quantity UOM. Able to select either MBq or mCi to be used for preparation of the Generator Elution product.
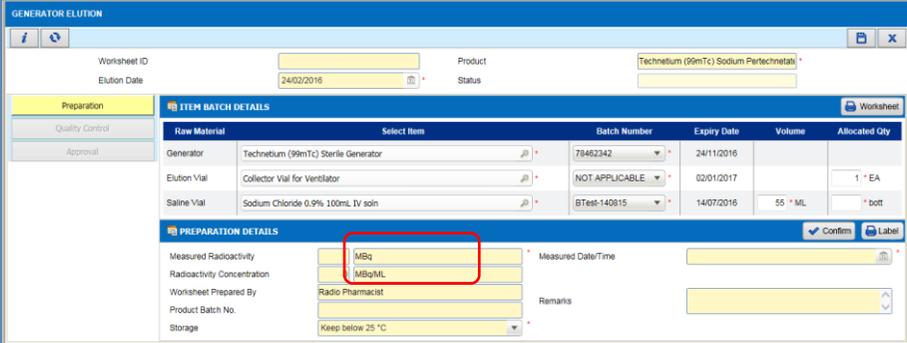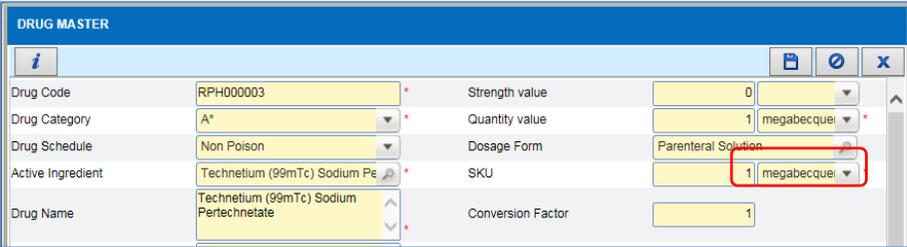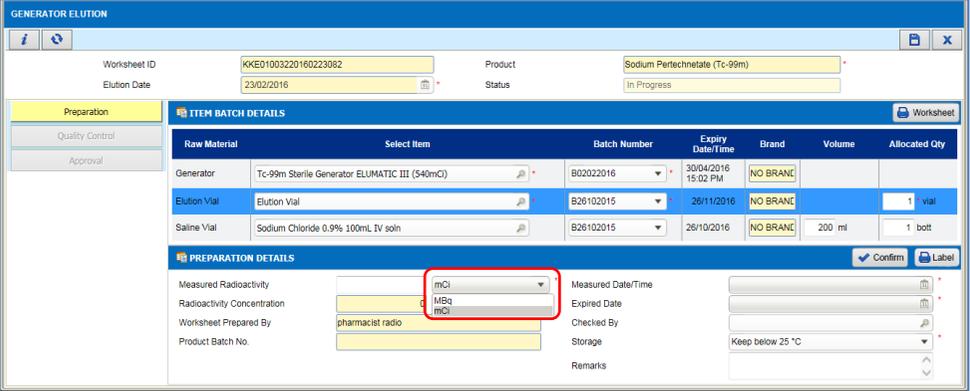
Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
4. Expiry Date	**Product Expiry Date** Current function, expiry date is displayed in Quality Control screen; No default value, user to select date/time for each transaction. 	**Product Expiry Date** 1. Update to move the Expiry Date field to Preparation screen; 2. Expiry Date is auto generated based on setting by HQ in Radiopharma Setup screen, example setting is as below:

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
5. Label	Label 1. Once Confirm preparation, click on Label button: 2. Checked By field is free text and displayed in drug label screen. 	Label 1. In Preparation Details added new field, Checked By. 2. When click on Checked By search field, system display screen as below; User able to search and select any registered user. 3. Once confirm Preparation record, click on Label button and screen as below is displayed: a. Checked By updated to read-only and display value (User first name and last name) based on selected user in Preparation Details section b. Rename field to Elution Date/Time, default value to Measured Activity value from Preparation details.

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
	3. Click on Print label button and label in PDF is displayed as below:	4. Updated label design as below: a. Added lines b. Added Generator Batch c. Rename to Elution Date/Time

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
6. Quality Control UOM	There is no options for user to choose UOM, UOm always as below: a. Measure Mo-99 Activity = 'KBq' b. Mo-99 Breakthrough = 'KBq per MBq' c. Limit of Measure Mo-99 Activity: <0.15 KBq of Mo-99 per MBq of Tc-99m	1. When measured radioactivity UOM is selected as mCi, a. Measure Mo-99 Activity default to 'µCi' b. Mo-99 Breakthrough default to 'µCi/mCi' c. Update to: Limit of Measure Mo-99 Activity: <0.15 µCi of Mo-99 per mCi of Tc-99m

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
		2. When measured radioactivity UOM is selected as MBq, d. Measure Mo-99 Activity default to 'KBq' e. Mo-99 Breakthrough default to 'KBq/MBq' f. Update to: Limit of Measure Mo-99 Activity: <0.15 KBq of Mo-99 per MBq of Tc-99m

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
7. Approval screen function	 Select Approved checkbox and click on Submit button, status will update to Approved. If checkbox not selected, status will update as Rejected. Once record is Approved: 1. In Unit Catalogue, new batch is created with the same batch number, with Available Qty = Measured Activity from Preparation details; - Click on the Stock Available hyperlink to view screen below, 	 Select Approved checkbox and click on Submit button, status will update to Approved. If checkbox not selected, status will update as Rejected. Once record is Approved: 1. Stock Verification screen is updated with the batch, measured activity, measured date/time, total volume and expiry date/time. Record will always updated as Accepted. - When open Stock Verification as below, able to search the newly created batch: - Record is auto created once Approved the Generator Elution record. Able to edit the value in Stock Verification if necessary.

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
		  2. In Unit Catalogue, new batch is created with the same batch number, with Available Qty = 1 vial; - Click on the Stock Available hyperlink to view screen below,

Function Flow	Radiopharma Generator Elution in current Version 1.3.8	Radiopharma Generator Elution in new Version 1.4.1
8. Worksheet	Worksheet is displayed as below:	Worksheet is updated as below: 1. Updated worksheet format and orientation changed to Landscape. 2. Preparation section: Elution Date display based on Elution Date field from Preparation screen. 3. Approval section: All checklist will update to 'Yes' once Approval record is Approved and 'No' once record is Rejected. 4. Label section: Empty space provided to paste the printed label.