



Proposed Solution

No.	Ticket #	Description	Requests	Proposed Solution
1.	I-PHIS012793115S	Therapy Linked Radiopharma - Auto calculate activity	Measured Activity: automatically calculated for MBq when putting mCi	<ul style="list-style-type: none">• Therapy Linked Radiopharma: Measured Activity: automatically calculated for MBq when putting mCi.
2.	I-PHIS012793415S	Radiopharma Setup - To allow setting Expiry Duration based on brand for Cold Kit, I-131 and Ready to Use. Currently, only Cold Kit able to set. UOM: Minute, Hour, Day, Month	To allow setting Expiry Duration based on brand for Cold Kit, I-131 and Ready to Use. Currently, only Cold Kit able to set. UOM: Minute, Hour, Day, Month	<ul style="list-style-type: none">• Radiopharma Setup: To allow setting Expiry Duration based on brand for Cold Kit, I-131 and Ready to Use. Currently, only Cold Kit able to set. UOM: Minute, Hour, Day, Month.

Function Flow	Radiopharma Maintenance - IWP in current Version 1.3.8	Radiopharma Maintenance - IWP in new Version 1.4.1
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1. Radiopharma Element

Listing screen:

RADIOPHARMA ELEMENT						
Element	Half Life	Unit	Created Date	Updated Date	Status	
Chromium-51	28	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Cobalt-57	207.9	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Cobalt-60	5.27	Years	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Fluorine-18	109.77	Minutes	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Gallium-67	3.26	Hours	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Gallium-68	1.13	Hours	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Iodine-131	8.02	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Rhenium-186	3.71	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Strontium-89	50.53	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Technetium-99m	6.01	Hours	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	

- Function only to add element record.

Radiopharma Element + Half Life

Element: Technetium-99m *

Half Life: 6.01 Hours *

Status: Active

Listing screen:

RADIOPHARMA ELEMENT						
Element	Half Life	Unit	Created Date	Updated Date	Status	
Technetium-99m	6.01	Hours	04/02/2016 10:36:46 AM	04/02/2016 10:36:46 AM	Active	
Iodine-131	8.02	Days	04/02/2016 10:35:35 AM	04/02/2016 10:35:35 AM	Active	
Fluorine-18	110	Minutes	13/11/2015 03:24:53 PM	13/11/2015 03:24:53 PM	Active	
Yttrium-90	64.1	Hours	22/09/2015 11:29:38 AM	22/09/2015 11:29:38 AM	Active	
Rhenium-186	3.71	Days	22/09/2015 11:36:46 AM	22/09/2015 11:36:46 AM	Active	
Strontium-89	50.53	Days	03/11/2013 09:32:26 PM	03/11/2013 09:32:02 AM	Active	
Chromium-51	28	Days	22/09/2015 11:31:06 AM	22/09/2015 11:31:06 AM	Active	
Gallium-68	1.13	Hours	23/09/2015 09:42:02 AM	23/09/2015 09:42:02 AM	Active	
Gallium-67	3.26	Hours	23/09/2015 09:42:10 AM	23/09/2015 09:42:10 AM	Active	
Cobalt-60	5.27	Years	21/09/2015 04:51:18 PM	21/09/2015 04:51:18 PM	Active	

- Add function for user to link Drug with the existing elements.

1. Click on Add New button or double click existing record.

Radiopharma Element + Half Life

Element: Technetium-99m *

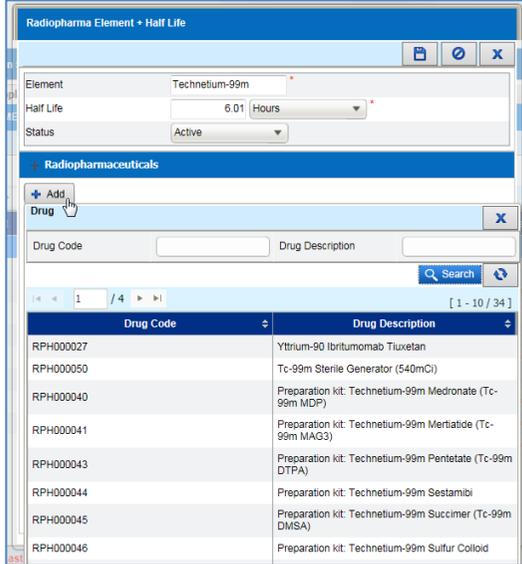
Half Life: 6.01 Hours *

Status: Active

+ Radiopharmaceuticals

+ Add

Drug Description	Status
Technetium-99m Sulfur Colloid	<input checked="" type="checkbox"/> Active
Technetium-99m Pentetate (Tc-99m DTPA)	<input checked="" type="checkbox"/> Active
Technetium-99m Succimer (Tc-99m DMSA)	<input checked="" type="checkbox"/> Active
Technetium-99m Oxidronate (Tc-99m HDP)	<input checked="" type="checkbox"/> Active
Sodium Pertechnetate (Tc-99m)	<input checked="" type="checkbox"/> Active
Technetium-99m Colloidal Rhenium Sulphide	<input checked="" type="checkbox"/> Active
Technetium-99m Besilesomab	<input checked="" type="checkbox"/> Active
Technetium-99m Mebrofenin	<input checked="" type="checkbox"/> Active
Technetium-99m Biscitate	<input checked="" type="checkbox"/> Active
Technetium-99m Macroaggregated Albumin (Tc-99m MAA)	<input checked="" type="checkbox"/> Active

Function Flow	Radiopharma Maintenance - IWP in current Version 1.3.8	Radiopharma Maintenance - IWP in new Version 1.4.1
		<p>2. Click on Add button to add the drugs linked to the Element.</p> <p>3. Drug search pop up screen is displayed as below, for user to select which drug:</p>  <p>4. Once drug is added, able to set as Active or Inactive.</p>



Function Flow	Radiopharma Maintenance - IWP in current Version 1.3.8	Radiopharma Maintenance - IWP in new Version 1.4.1																						
		<p>Radiopharma Element + Half Life</p> <p>Element: Technetium-99m Half Life: 6.01 Hours Status: Active</p> <p>Radiopharmaceuticals</p> <table border="1"><thead><tr><th>Drug Description</th><th>Status</th></tr></thead><tbody><tr><td>Technetium-99m Sulfur Colloid</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Pentetate (Tc-99m DTPA)</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Succimer (Tc-99m DMSA)</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Oxidronate (Tc-99m HDP)</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Sodium Pertechnetate (Tc-99m)</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Colloidal Rhenium Sulphide</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Besilesomab</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Mebrofenin</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Blicisate</td><td><input checked="" type="checkbox"/> Active</td></tr><tr><td>Technetium-99m Macroaggregated Albumin (Tc-99m MAA)</td><td><input checked="" type="checkbox"/> Active</td></tr></tbody></table>	Drug Description	Status	Technetium-99m Sulfur Colloid	<input checked="" type="checkbox"/> Active	Technetium-99m Pentetate (Tc-99m DTPA)	<input checked="" type="checkbox"/> Active	Technetium-99m Succimer (Tc-99m DMSA)	<input checked="" type="checkbox"/> Active	Technetium-99m Oxidronate (Tc-99m HDP)	<input checked="" type="checkbox"/> Active	Sodium Pertechnetate (Tc-99m)	<input checked="" type="checkbox"/> Active	Technetium-99m Colloidal Rhenium Sulphide	<input checked="" type="checkbox"/> Active	Technetium-99m Besilesomab	<input checked="" type="checkbox"/> Active	Technetium-99m Mebrofenin	<input checked="" type="checkbox"/> Active	Technetium-99m Blicisate	<input checked="" type="checkbox"/> Active	Technetium-99m Macroaggregated Albumin (Tc-99m MAA)	<input checked="" type="checkbox"/> Active
Drug Description	Status																							
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Function Flow	Radiopharma Maintenance - IWP in current Version 1.3.8	Radiopharma Maintenance - IWP in new Version 1.4.1
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2. Radiopharma Setup

RADIOPHARMA SETUP

Item Type: Code:

Description:

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Item Type	Item Code	Item Description	Created Date	Updated Date	Status
Saline Vial	B05XA03100P6002b.04	Sodium Chloride 0.9% 100mL IV soin	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Saline Vial	B05XA03100P6002b.01	Sodium Chloride 0.9% 100mL IV soin	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Saline Vial	B05XA03100P6002b.02	Sodium Chloride 0.9% 100mL IV soin	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Saline Vial	B05XA03100P6002b.03	Sodium Chloride 0.9% 100mL IV soin	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Eluate Tc99m Vial	RPH000003.01	Technetium (99mTc) Sodium Pertechnetate	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Cold Kit	RPH000034.01	Preparation Kit: Technetium (99mTc) Albumin Colloid	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Cold Kit	RPH000034.02	Preparation Kit: Technetium (99mTc) Albumin Colloid	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Cold Kit	RPH000035.01	Preparation Kit: Technetium (99mTc) Besilesomab	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active
Cold Kit	RPH000035.02	Preparation Kit: Technetium (99mTc) Besilesomab	15/11/2013 04:43:03 PM	15/11/2013 04:43:02 AM	Active

Radiopharma Setup dialog box showing:
 Radiopharma Item Type: Cold Kit
 Item Code: RPH000034.01
 Item Description: Preparation Kit: Technetium (99mTc) Albumin Colloid
 Status: Active

- Function only to set the radiopharma items belongs to which category:
 - Cold Kit
 - Eluate Tc99m Vial
 - Elution Vial
 - Generator
 - I-131
 - Kit-Based
 - Ready to Use
 - Saline Vial

RADIOPHARMA SETUP

Item Code: Item Description:

Item Type:

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Item Type	Item Code	Item Description	Created Date	Updated Date	Status
Saline Vial	RPH000050.06	Saline Vial (10ml)	04/02/2016 01:03 AM	23/02/2016 04:59 PM	Active
Elution Vial	RPH000050.05	Elution Vial	04/02/2016 01:04 AM	23/02/2016 04:58 PM	Active
Elution Vial	RPH000050.04	Elution Vial (5ml)	04/02/2016 01:04 AM	23/02/2016 04:58 PM	Active
Elution Vial	RPH000050.03	Elution Vial (10ml)	04/02/2016 01:05 AM	23/02/2016 04:57 PM	Active
Cold Kit	RPH000035.01	Preparation Kit: Technetium (99mTc) Besilesomab	15/11/2013 04:43 PM	15/02/2016 12:56 PM	Active
Cold Kit	RPH000034.01	Preparation Kit: Technetium (99mTc) Albumin Colloid	15/11/2013 04:43 PM	10/02/2016 07:50 PM	Active
Elution Vial	RPH000050.02	Elution Vial (15ml)	04/02/2016 01:05 AM	10/02/2016 06:19 PM	Active

2. When Item Type = Cold Kit, screen is displayed as below:

- Able to assign the Cold Kit to be used for which Radiopharmaceuticals and the default Cold Kit.
- Able to add/edit the Brand records.

Radiopharma Setup

Radiopharma Item Type: Cold Kit
 Radiopharmaceutical: RPH000004
 Item Code: RPH000034.01
 Item Description: Preparation Kit: Technetium (99mTc) Albumin Colloid
 Status: Active

Default:

Item / Brand Details

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Brand Code	Brand Name	Manufacturer Name	Status
BRD1500001	Nanocoll	GE Healthcare	Active
U075	NO BRAND	Manufacturer Unknown	Active



Function Flow	Radiopharma Maintenance - IWP in current Version 1.3.8	Radiopharma Maintenance - IWP in new Version 1.4.1
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- Double click/Add New brand records and the details is displayed as below:

Item / Brands Details

Item Description: Preparation Kit: Technetium (99mTc) Albumin Colloid	Status: Active
Brand Name: Nanocoll	Manufacturer Name: GE Healthcare
Minimum Measured Activity: 5 mCi / 185 MBq	Storage Condition: Keep below 25 °C
Maximum Measured Activity: 150 mCi / 5550 MBq	Radiochemical Purity: 95%
Minimum Volume: 1 ml	pH Applicable?: <input checked="" type="checkbox"/>
Maximum Volume: 5 ml	Minimum pH: 1
Incubation Period: 10 Minute(s)	Maximum pH: 4
Expiry: 6 Hour(s)	

Item / Brands Details - Strip Calculation

+ Add New

Strip 1	Portion	Strip 2	Portion	Method	Free Pertechnetate	Tc Reduce Hydrolysis	Radiochemical Purity	Status
Yes	2	No	1	Biorex	(1st Strip) Portion 2 / (Portion 1 + Portion 2) * 100		100% - %Free Pertechnetate	Active
Yes	2	No		Manufacturer Recommendation			Portion 1/(Portion 1 + Portion 2)*100	Active

Preparation Procedure

+ Add New

Seq no	Procedures	Status
1	Procedures 1	Active

- Double click/Add New strip calculation records and the details is displayed as below:

Item / Brands Details - Strip Calculation

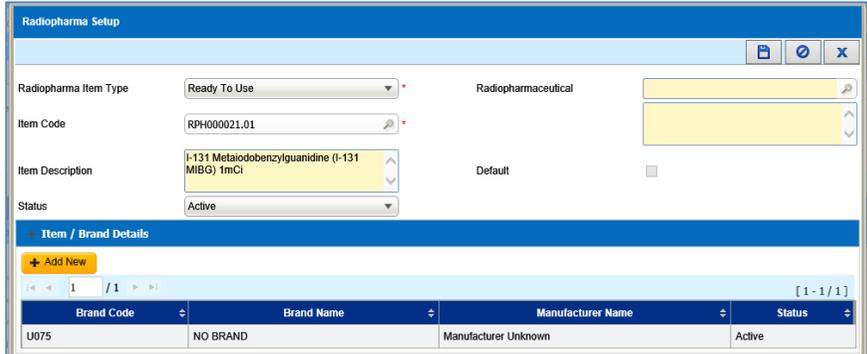
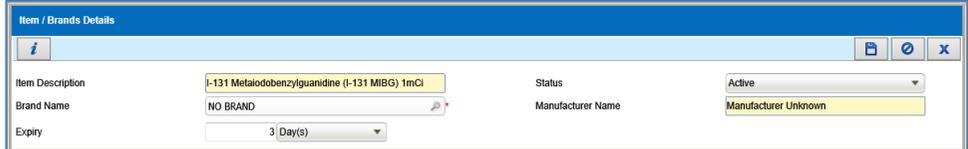
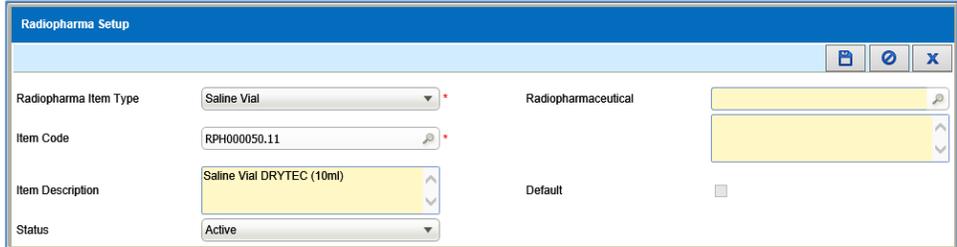
Method: Biorex	Default Method: <input checked="" type="checkbox"/>
Strip 1: <input checked="" type="checkbox"/> Portion 2	Status: Active
Strip 2: <input type="checkbox"/> Portion 1	
Free Pertechnetate: (1st Strip) Portion 2/(Portion 1 + Portion 2)*100	
Tc Reduce Hydrolysis: <input type="checkbox"/>	
Radiochemical Purity: 100% - %Free Pertechnetate	

- Double click the preparation procedures records and the details is displayed as below:

Preparation Procedure

Seq no: 1	
Procedures: Procedures 1	
Status: Active	



Function Flow	Radiopharma Maintenance - IWP in current Version 1.3.8	Radiopharma Maintenance - IWP in new Version 1.4.1								
		<p data-bbox="1256 256 2179 320">3. When Item Type = I-131, Ready to Use and Generator, when double click the record, screen is displayed as below:</p> <div data-bbox="1211 325 2078 679"><table border="1" data-bbox="1211 624 2078 679"><thead><tr><th>Brand Code</th><th>Brand Name</th><th>Manufacturer Name</th><th>Status</th></tr></thead><tbody><tr><td>U075</td><td>NO BRAND</td><td>Manufacturer Unknown</td><td>Active</td></tr></tbody></table></div> <ul data-bbox="1256 692 2107 756" style="list-style-type: none">• Double click/Add New brand records and the details is displayed as below: <div data-bbox="1211 762 2179 911"></div> <p data-bbox="1256 956 2152 1019">4. When Item Type = other than Cold Kit, I-131, Ready to Use and Generator, when double click the record, screen is displayed as below:</p> <div data-bbox="1211 1026 2168 1273"></div>	Brand Code	Brand Name	Manufacturer Name	Status	U075	NO BRAND	Manufacturer Unknown	Active
Brand Code	Brand Name	Manufacturer Name	Status							
U075	NO BRAND	Manufacturer Unknown	Active							