

Lower Mainland Medical Imaging : Standard Operating Procedure

Thyroid Screening: Recording Results in NMIS

1 Thyroid Screening

1. Review Thyroid Screening Procedure

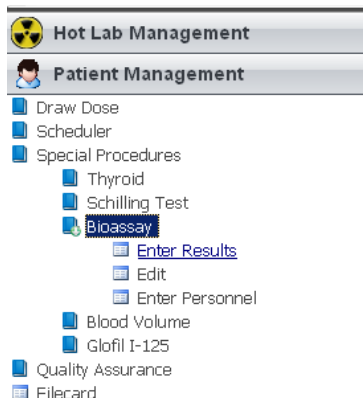
2. Perform 10 min manual count on Thigh (bkg)

(bkg. should have ~400 counts)

3. Perform 10 min manual count on Thyroid

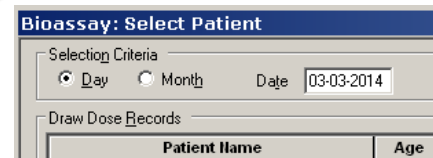


2 Record Results in NMIS



Hot Lab Management
Patient Management
Draw Dose
Scheduler
Special Procedures
Thyroid
Schilling Test
Bioassay
Enter Results
Edit
Enter Personnel
Blood Volume
Glofil I-125
Quality Assurance
Filecard

3 Select Date of Radioiodine Exposure



Bioassay: Select Patient
Selection Criteria
☒ Day ☐ Month Date 03-03-2014
Draw Dose Records
Patient Name Age

Enter Date Therapy was Given

>Apply

>Highlight & Select Patient (or select NONE if unrelated to pt. Procedure).

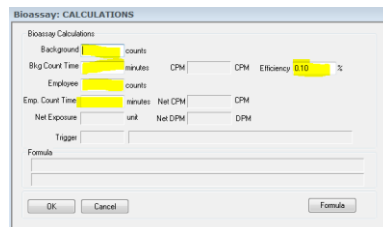
4 Select Your Name



N.M. Employee Profiles
N.M. Employee Profiles
Employee Name Employee ID

If a BCIT student was involved, select the BCIT Student profile and enter the students **FULL NAME** in the comments section as well as the supervising Technologists initials.

5 Enter Results from Step 1

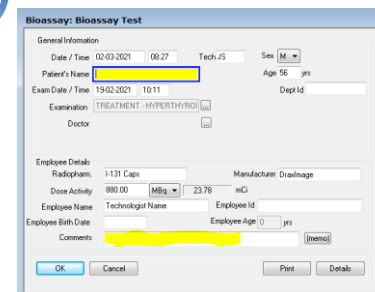


Bioassay: CALCULATIONS
Background counts
Bkg Count Time minutes CPM CPM Efficiency 91.0 %
Employee counts
Emp. Count Time minutes Net CPM CPM
Net Exposure unit Net DPM DPM
Trigger
Formula
OK Cancel Formula

- Default efficiency is for I-131, change if appropriate.
- If you performed your Thyroid Screening at another site, you must change the efficiency.

1. Double check for errors
2. Do the results make sense?
3. Are you over the trigger limit?

6 Delete Patient Name



Bioassay: Bioassay Test
General Information
Date / Time 02-03-2021 09:27 Tech JS Sex M
Patient's Name Age 56 yrs
Exam Date / Time 19-02-2021 10:11 Dept ID
Examination TREATMENT - HYPERthyroidism
Doctor
Employee Details
Radionuclide I-131 Caps Manufacturer Dosemange
Dose Activity 880.00 MBq 23.76 mCi
Employee Name Technologist Name Employee ID
Employee Birth Date Employee Age 0 yrs
Comments (memo)
OK Cancel Print Details

Add comments if necessary (isotope other than I-131, student name – see box 4, performed at another site etc.)

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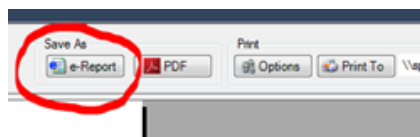
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7 Save as e-Report

"Do you want to print a report?"

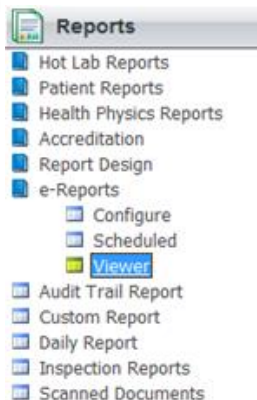
>Yes

> Select e-Report



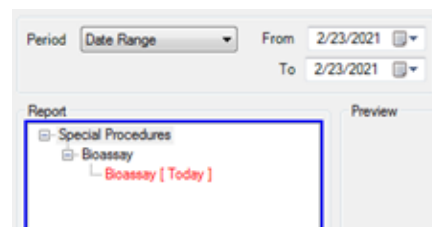
Inform S-RSO that Thyroid screening is complete.

8 S-RSO to Review and Sign e-Report



Reports > e-Reports > Viewer

Special Procedures (change date if necessary)

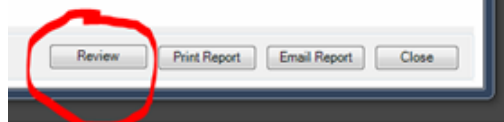


9 S-RSO Review & E-Sign Report

Ensure data entered correctly.

Thyroid screening performed within correct time frame?

When finished click Review to e-Sign.
(the report will be stamped with your name and date)



Count Information			
Bkg Counting Time	: 10.00	min.	
Bkg Counts	: 43.80	CPM	
Employee Counting Time	: 10.00	min.	
Employee Counts	: 45.70	CPM	
Net Employee Counts	: 1.90	CPM	1900.00
Efficiency	: 0.10	%	

Results
Net Employee Exposure : 3.195e-002 (0.0319545701) KBq

Reviewed By : .

10 RSO Investigate & Report

If an incident investigation is required email the report to R-RSO.

For I-131/I-125:

>1kBq to be investigated and reported on ACR

>10kBq to be reported to CNSC by the R-RSO

See Thyroid screening procedure for I-123

