



July 17, 2014

SUBJECT: Indium In 111 Chloride Sterile Solution – Production Schedule Change

Dear Valued Customer:

Mallinckrodt Pharmaceuticals is focused on improving cyclotron utilization, controlling rising costs and improving efficiencies at our Maryland Heights nuclear medicine manufacturing facility. In support of those goals, we are implementing the following changes to our Indium In 111 Chloride Sterile Solution manufacturing schedule:

- We currently manufacture two different lots of In 111 Chloride each week. The first lot is produced on Monday and is available to ship on Tuesday, Wednesday and Thursday. The second lot is produced on Thursday and is available to ship on Friday, Sunday and Monday.
- Our new production schedule will allow us to produce In 111 Chloride during a single mid-week production run.
- In 111 Chloride will continue to be available for patient use Monday through Friday with product shipping Sunday through Friday.
- The calibration day, activity per vial per day and expiration day will all change with this new manufacturing schedule. Please see the attached ordering guide to assist you in the conversion.

These changes will become effective on Friday, August 1, 2014. The first shipments will be available for patient use starting on Monday, August 4, 2014.

Should you have any questions or concerns, please contact your Mallinckrodt sales representative or our Customer Service department at 888-744-1414.

Thank you for your continued support. We appreciate your business.

Sincerely,

A handwritten signature in cursive script that reads 'David M. Koerber'.

Dave Koerber
Product Manager, Nuclear Medicine

N132F0 – Indium In 111 Chloride Sterile Solution

Day of Use	Available Activity
Monday	13.45 mCi
Tuesday	10.51 mCi
Wednesday	8.20 mCi
Thursday	6.40 mCi
Friday	5.00 mCi *

* Friday calibration

Product expires the Monday after calibration