



July 17, 2014

SUBJECT: Gallium Citrate Ga 67 Injection – 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 Gallium Citrate Ga 67 Injection manufacturing schedule:

- We currently manufacture two different lots of Ga 67 injection 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 Ga 67 injection during a single mid-week production run.
- Ga 67 injection 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 and will affect both vial sizes of Ga 67 injection (6 mCi and 12 mCi). 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

**N180G0 – Gallium Citrate Ga 67 Injection 6 mCi Vial**

Day of Use	Available Activity
Monday	12.10 mCi
Tuesday	9.79 mCi
Wednesday	7.92 mCi
Thursday	6.40 mCi *
Friday	5.20 mCi

\* Thursday calibration

Product expires the Wednesday after calibration

**N180M0 – Gallium Citrate Ga 67 Injection 12 mCi Vial**

Day of Use	Available Activity
Monday	24.97 mCi
Tuesday	20.19 mCi
Wednesday	16.30 mCi
Thursday	13.20 mCi *
Friday	10.50 mCi

\* Thursday calibration

Product expires the Wednesday after calibration