

**ARNOT HEALTH
POLICY & PROCEDURE MANUAL**

POLICY #: L.S.PAL.0003
(previously VII.iii.1355)
TITLE: 24 - HOUR URINE COLLECTION

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APPROVAL: Dr. Lenhardt, MD, PhD 3/14/05
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OWNER(S): LABORATORY, CLA SUPERVISOR

A 24-hour urine specimen is collected in a large, clean, disposable, wide-mouth container capable of holding several liters. Some 24-hour specimens require the addition of a preservative prior to collection. Others should simply be kept refrigerated throughout collection.

Materials:

1. 24-hour container
2. Patient instructions
3. Appropriate preservative, if applicable
4. Collection log sheet
5. Patient identification label
6. Appropriate preservative warning

Procedure:

A. Patient Instruction

1. The best time to begin a 24-hour collection is when the patient wakes in the morning. Have the patient void as usual into the toilet and note the date and time on the container label.
2. Collect all urine voided for the next 24-hour period. Refrigerate the specimen throughout the collection period, unless Urate testing is ordered.
3. At the end of the 24-hour period, instruct the patient to void one last time and add this specimen to the container.
4. Transport the specimen to the laboratory as soon as possible.
5. For two (2) consecutive 24-hour collections, begin the second 24-hour period upon completion of the first.
6. Record the 24-hour specimen on the log sheet when the container is handed out. Prepare the container according to the testing requirements posted. Make sure to give special instructions (dietary restrictions, etc.), to the patient when required by test prior to specimen collection.

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24- Hour Collection Continued:

Note: For **24-hour Creatinine Clearance**, the test requires a 24-hour urine collection and a blood sample for Creatinine drawn either at the beginning or end of the urine collection. A blood specimen that was drawn within 48 hours can also be utilized to run the test. Complete, carefully timed collection is needed. The date and time the collection was started and finished and the 24-hour volume should be noted. Accuracy and precision of collection are important, most especially for Creatinine Clearance.

B. Computer Entry and Specimen Processing

1. Document total volume, start date/ time and stop date/ time of the 24 hour or 12 hour collection on the requisition.
2. Follow registration procedures in Soarian with the stop date of collection as the date of registration.
3. In Quadramed comment field, enter **TV3000** (example: total volume 3000 ml), start date/ time and stop date/ time. This will appear on the label.
4. In Sunquest, under Gen. Lab, scan the computer order generated label and enter stop date/ time as the collection date/ time. Fill in all highlighted fields including tech code.
5. Enter 'NVP' (No Venipuncture Charge) on the 'Workload Order' Code.
6. Click on 'Reprint Label' to use on the pour-off tube.
7. On the 'Order Code' column on the right side of the screen, just below the 24 hour urine order that was generated from Quadramed, order the Total Volume by typing **24TV** (for 24-hour urine) or **12TV** (for 12-hour urine).
8. Hit Save.
9. A 'Result Entry' pop-up box comes up. Enter the total volume (**3000**) on the '**Result**' field.
10. Hit Save.
11. Place reprinted label on a white capped vacutainer tube and pour off urine sample from the jug.
12. Place tube on the line (Power Processor).

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Reviewed By: Noemi Bentley 4/26/06; NB 1/10/07; NB 7/7/08; NB 5/16/09; NB 8/3/10
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Revised By: Noemi Bentley 10/4/18 to add TV test order entry in Sunquest

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