



PROCEDURE: Baseline Peritoneal Function Test (PFT)

Purpose:

To measure peritoneal transport properties and more accurately quantify peritoneal dialysis therapy.

Materials Needed:

24-hour collection of individually drained effluent volumes

24-hour urine collection if output is > 300 cc in 24 hours. If the urine collection is to be done, a lab collection container should be provided to the patient.

(A Kinetic Modeling Set is available to make collection of samples more convenient)

Personal Protective Equipment Recommended:

Gloves, apron, mask and safety glasses or full face shield

STEP	RATIONALE
1. Overnight exchange completed and discarded. All other exchanges during the next 24 hours are collected.	1. To initiate the 24-hour procedure.
2. Beginning with the noon exchange being bag #1, record the following information on the worksheet provided: <ul style="list-style-type: none">• Drain Time Begins• Fill Time Begins• Solution Percentage• Outflow Volume	2. These data will be used to calculate PFT.
3. The third exchange of the day is performed and recorded as bag # 2 and repeat for the fourth exchange as bag # 3.	3. This indicates the end of the collection period for the patient.
4. The overnight exchange is bag #4 (if 5 exchanges are done in 24 hours, the times and bag numbers will reflect such).	4. This indicates the end of the collection period for the patient.
5. The morning exchange that is done will be drained in the clinic by the nurse and	5. May give important information regarding the

is labeled as the Quality Assurance (QA) exchange. The QA exchange should be between 2 to 4 hours after the morning drain.

patient's collection technique since the nurse is collecting this specimen.

6. Wash hands. Put on personal protective equipment.
 7. Serum sample is taken for urea, creatinine, glucose, total protein, and albumin.
 8. Dialysate samples (4-6) are collected for urea, creatinine, glucose, and total protein. If urine collection was done, take / collect sample for urea and creatinine. Urine should be collected for 24 hours according to the instructions given in the 24-hour batch procedure. All dialysate bags and urine collections must be measured or weighed for volumes. Make certain all samples are labeled correctly.
 9. Dispose of remaining effluent according to unit policy.
6. To comply with infection control policy.
 7. To be used for calculating PFT.
 8. To be used for calculating PFT.
 9. To comply with infection control policy.