

## Complete Peritoneal Dialysis Testing Services Available



### Working Together to Improve Patient Outcomes

Spectra Laboratories is pleased to provide complete, efficient and easy-to-use laboratory services for the care of peritoneal dialysis patients. Spectra provides data that allows doctors to deliver superior care by employing the most advanced and widely accepted clinical approaches for evaluating the appropriateness and adequacy of peritoneal dialysis therapy. Across our entire range of offerings, we maintain the highest standards for test processing, including state-of-the-art instrumentation, carefully monitored sample handling and an experienced staff of renal professionals. Partner with Spectra and see the results.

### Adequacy of Dialysis Reports

Spectra's Peritoneal Dialysis (PD) Adequacy report includes: PD fluid and urine clearances, both creatinine and urea, and calculations of formulas for Kt/V's and PNA (PCR).

### Kt/V Calculations

Spectra offers a choice of Kt/V calculations. The first option (Hume) computes V (total body water) using Body Surface Area (height, weight) and gender. The second option (Mellits-Cheek) uses body weight to compute V for pediatric patients.

### Protein Equivalent of Nitrogen Appearance (PNA) (formerly PCR)

Spectra's Adequacy of Dialysis report provides calculations for normalized Protein Equivalent of Nitrogen Appearance (nPNA). This measure is used to evaluate the adequacy of a patient's dietary intake by assessing the rate at which protein by-products are removed from the body. Ideal Body Weight is used to normalize PNA (nPNA).

### Urea and Creatinine Clearances

Spectra offers both Peritoneal Dialysis Fluid (PDF) and urine clearances. Results are normalized to a Body Surface Area (BSA) of 1.73m<sup>2</sup>. Our clearance reports include PDF creatinine values that have been corrected for glucose interference, as well as uncorrected PDF creatinine and PDF glucose values (for clients who use the uncorrected value in calculations). Creatinine and urea nitrogen concentrations in PDF and urine are conveniently reported both in mg/dL and in units/24 hours. Clearances are also reported in both ml/min. and L/week.

## Peritoneal Equilibration Test (PET) Interpretation

Spectra offers both standard PET and Fast PET (4 hour) data interpretation for determining the rate of solute transport across the peritoneum of PD patients. Our reports supply both the individual results as well as the transport classifications in an easy to read format.

## Peritonitis Evaluation (Microbiology)

Spectra provides routine microbiology testing for peritonitis evaluation. This includes: Cell Count with Differential, Gram Stain, Culture ID and Sensitivity.

We utilize the FAN™ blood culture bottle, which is FDA approved for culturing body fluids. This aids in expediting the incubation of fluid while in transit to the laboratory.

The Microbiology Department delivers timely results seven days a week, so information is available to make timely decisions about your patient's treatment. In addition, Spectra uses state-of-the-art instrumentation to identify organisms and support patient care by providing rapid ID and sensitivities.

## Reports

Spectra provides a variety of reports to facilitate patient monitoring. Spectra's Medical Director and Medical Technologist specializing in microbiology are available for consultations upon request.

