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(54) Title: BIOCHEMICALLY BALANCED PERITONEAL DIALYSIS SOLUTIONS

(57) Abstract

A peritoneal dialysis solution that is biochemically balanced to correct metabolic acidosis associated with chronic renal failure in a more physiological manner. The peritoneal dialysis solution has a physiological pH, e.g., pH of 7.0 to 7.4, and contains bicarbonate at a concentration that is found in normal blood. Additionally, the solution contains carbon dioxide at a partial pressure that is similar to partial pressure of carbon dioxide found in normal blood. The peritoneal dialysis solution also contains a weak acid with a pKa of less than 5.0.