ABSTRACT

A neutral glucose-containing preparation with excellent stability and a near physiological pH, as a transfusion preparation with minimal glucose degradation by-products and a greatly reduced formic acid content; specifically, a glucose-containing preparation comprising separately housed first and second solutions, the first and second solutions satisfying the following conditions:

(a) the first solution contains 2-50% glucose, and its pH is adjusted to 3-5 with an organic acid buffer solution;

(b) the second solution contains an alkalizing agent, and has a pH value of 8-13 as a pH adjustor for the first solution; and

(c) the glucose concentration is 1-15% in the preparation solution obtained by mixing the first solution and second solution, and the pH of the solution is in a range of 6-8.

It is used particularly as a peritoneal perfusate, such as a perfusate for Continuous Ambulatory Peritoneal Dialysis (CAPD).