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D-Dimer Assay Kit

Catalogue No.: abx098424

D-dimer is a protein formed by two D fragments of the fibrin protein joined by a cross-link. D-dimer is one of several fibrin degradation product (FDP) formed by the degradation of a blood clot by fibrinolysis. It is used in the diagnosis of the blood disorder disseminated intravascular coagulation and in the diagnosis of thrombosis.

D-Dimer Assay Kit is an Assay Kit for the detection of D-dimer in human plasma using the Latex-Enhanced Immunoturbidimetry Method.

Based on the bottle type, product model can be classified into Hitachi 7170, Hitachi 7060, Hitachi 7020, Beckman, Toshiba, Mindray, DuPont, Innova, Siemens, KHB, Abbott, Universal types, etc.

This product is used to determine D-dimer concentration in human plasma.

The agglutination reaction occurs between D-dimer in human plasma and anti D-dimer antibody combined with latex particles when they meet in the liquid buffer. The antigen-antibody complexes immediately generate then produce turbidity within the linear range. The turbidity is proportional to the concentration of D-dimer in the sample with the presence of an appropriate amount of its corresponding antibodies. At a specific wavelength, the D-dimer concentration in the sample can be calculated by comparing the calibrator result with same processing.

R1: Detection Reagent 1	R2: Detection Reagent 2
Phosphate buffe → 50 mmol/l	Latex particles labeled with anti-D-Dimer → 0.5%
Fat-removing agent → 1.2 g/l	Preservatives → 1 g/l
Preservatives → 1 g/l	