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Human EPO (Erythropoietin) CLIA Kit

Cat #: G-EC-00267

Species: Human

Sensitivity: 7.5pg/mL

Type: Sandwich

Range: 12.5~800pg/mL

Detection: Chemiluminescence

Duration: 3.5h

Principle:
This CLIA kit uses the Sandwich-CLIA principle. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to Human EPO. Standards or samples are added to the micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human EPO and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human EPO, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of Human EPO. You can calculate the concentration of Human EPO in the samples by comparing the RLU value of the samples to the standard curve.

Specificity:
This kit recognizes Human EPO in samples. No significant cross-reactivity or interference between Human EPO and analogues was observed.

UniProt ID:

Gene: EPO

Synonyms: EP, MVCD2, Epoetin, Hematopoietin, Hemopoietin

Specimen: Serum, plasma and other biological fluids

Application: This CLIA kit applies to the in vitro quantitative determination of Human EPO concentrations in Serum, plasma and other biological f

Research Areas: Cancer, Cardiovascular, Metabolism, Developmental biology, Signal transduction, Stem cells

Storage:
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.