003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

Human hs-CRP (high-sensitivity C-reactive protein) CLIA Kit

Cat #: G-EC-01213

Species: Human

Sensitivity: 4.69pg/mL

Type: Sandwich

Range: 7.81~500pg/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 hs-CRP. 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 hs-CRP 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 hs-CRP, 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 hs-CRP. You can calculate the concentration of Human hs-CRP in the samples by comparing the RLU value of the samples to the standard curve.

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

UniProt ID:

Gene: hs-CRP

Synonyms:

Specimen: Serum, plasma and other biological fluids

Application: This CLIA kit applies to the in vitro quantitative determination of Human hs-CRP concentrations in Serum, plasma and other biologic

Research Areas: Cancer, Cardiovascular, Epigenetics and Nuclear Signaling, Metabolism, Immunology

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.