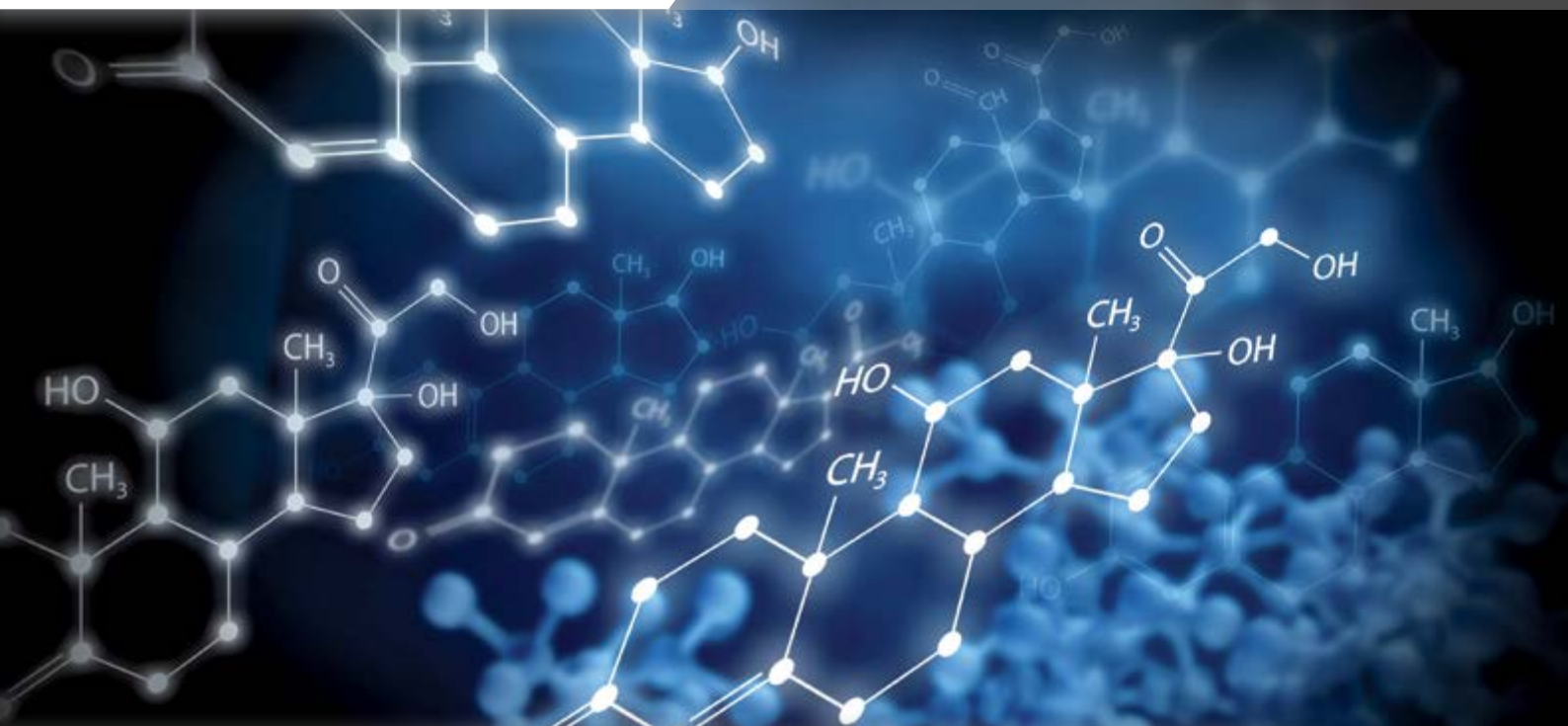


STEROID HORMONES

Immunoassays



HUMAN CORTICOSTEROID BINDING GLOBULIN ELISA

Cat. No.: RD192234200R

IVD CE

Intended use

The RD192234200R Human Corticosteroid Binding Globulin ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human corticosteroid binding globulin.

- The total assay time is less than 3 hours
- The kit measures total corticosteroid binding globulin in serum and plasma (EDTA, citrate, heparin)
- Assay format is 96 wells
- Quality Controls are human serum based. No animal sera are used
- Standard is human serum based
- Components of the kit are provided ready to use, concentrated or lyophilized

Clinical application

- Liver disease
- Infection and Inflammation

Immunoassays

Test principle

In the BioVendor Human Corticosteroid Binding Globulin ELISA, Standards, Quality Controls and samples are incubated in microplate wells pre-coated with polyclonal anti-human corticosteroid binding globulin antibody. After 60 minutes incubation and washing, biotin labelled monoclonal anti-human CBG antibody is added and incubated with the captured CBG for 60 minutes. After another washing, streptavidin-HRP conjugate is added. After 30 minutes incubation and the last washing step, the remaining HRP conjugate

is allowed to react with the substrate solution (TMB). The reaction is stopped by addition of acidic solution and absorbance of the resulting yellow product is measured. The absorbance is proportional to the concentration of corticosteroid binding globulin. A standard curve is constructed by plotting absorbance values against concentrations of standards, and concentrations of unknown samples are determined using this standard curve.

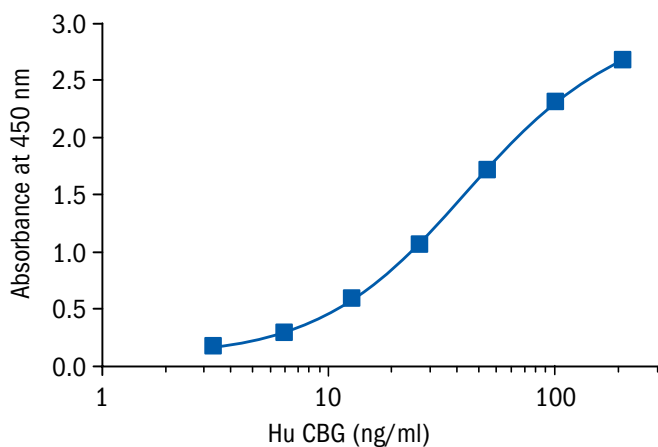
HUMAN CORTICOSTEROID BINDING GLOBULIN ELISA

Cat. No.: RD192234200R

Assay format	Sandwich ELISA, Biotin-labelled antibody, 96 wells/kit
Samples	Plasma-Citrate, Plasma-EDTA, Plasma-Heparin, Serum
Controls	QC-Low, QC-High
Standards	3.13 to 200 ng/ml
Limit of detection	0.01 ng/ml

Summary of protocol

- Reconstitute QCs, dilute Master Standard and prepare Standards
- Dilute samples 1000×
- Add 100 µl Standards, QCs and Samples
- Incubate at RT for 1 hours/300 rpm
- Wash plate 3 times
- Add 100 µl Biotin Labelled Antibody
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl Streptavidin-HRP Conjugate
- Incubate at RT for 30 min/300 rpm
- Wash plate 3 times
- Add 100 µl Substrate Solution
- Incubate at RT for 15 min
- Add 100 µl Stop Solution
- Read absorbance and calculate results



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