

## FGA/FGB/FGG

### Human Fibrinogen ELISA Kit

**Catalog No.** CSI20049A **Quantity:** 1 Plate  
CSI20049B 5 Plates

**Description:** This human fibrinogen antigen assay is intended for the quantitative determination of total fibrinogen antigen in human plasma and serum. The concentration of fibrinogen in normal human plasma ranges from 1.5 to 4.5 mg/ml. Elevated plasma fibrinogen levels are associated with a prothrombotic or hypercoagulative state and increased risk for ischaemic heart disease and stroke.

Human fibrinogen will bind to the affinity purified capture antibody coated on the microtiter plate. After appropriate washing steps biotin labeled polyclonal anti-human fibrinogen primary antibody binds to the captured protein. Excess antibody is washed away and bound polyclonal antibody is reacted with streptavidin conjugated to horseradish peroxidase. TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of human fibrinogen. Color development is proportional to the concentration of fibrinogen in the samples.

**Range:** 3.125 - 800 ng/mL

**Sensitivity:** The minimum detectable level of FBGN is 0.22 ng/mL.

**Sample Types:** Samples of Human plasma and serum.

**Sample Size:** 100 µl

**Kit Content:**

1. Microtiter 96-well (8 strips of 12 wells) plate coated with Fibrinogen Capture Ab
2. Assay Diluent
3. Wash Buffer Concentrate
4. Fibrinogen Standards
5. Biotinylated Anti-Human primary pAb
6. Avidin conjugated HRP Detection Reagent
7. TMB Substrate Reagent
8. Stop Solution

**Storage & Stability:** Store kit components at 2-8°C. Store unopened plate and any unused microtiter strips in the pouch with desiccant. Reconstituted standards and primary antibody may be stored at -80°C for later use. **DO NOT freeze/thaw the standards and primary antibody more than once.** Kit should be used no later than the expiration date.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

