Determination of the Fibrinogen protein, by radial immunodiffusion plate

TEST SUMMARY
The examined protein, diffusing in agarose gel containing a specific antibody will form an immuno-complex, visible as a ring around the well. The ring diameter is direct proportional to the concentration of the analysed protein. The proportion corresponds to the diffusion time. In fact, at the end (72h), the square of diameter will be in linear proportion to the concentration (procedure 1-3), while after shorter period of diffusion the square of diameter will be in a logarithmic proportion to the concentration (procedure 2). In both cases, a calibration curve should be constructed, using at least three calibration points. However a reference table is provided showing the relation between any concentration and the end of the procedure.

SAMPLES
Serum, plasma. Stability 6 days at 4°C.

REAGENTS
Plate: Agarose gel containing the goat antisem Fibrinogen.

REAGENTS PREPARATION AND STORAGE
The plates are ready to use.

PRECATIONS
Reagent may contain some non-reactive and preservative components. It is suggested to handle carefully it, avoiding contact with skin and swallow. Perform the test according to the general "Good Laboratory Practice" (GLP) guidelines.

PROCEDURE
Remove the plate from its envelope and leave to stand at room temperature for few minutes so that any condensed water in the wells can evaporate. Fill the wells with 5 µl of sample and/or controls and wait it has been completely adsorbing before handling the plate. Close the plate and place it in a moist chamber. Wait the required incubation period (72 h) after the required period according to the procedure should be followed, 72 or 18 hours.

RESULTS INTERPRETATION
Measure the precipitating ring to the nearest 0.1 mm, after the required period according to the procedure should be followed, 72 or 18 hours.

Measure's limit
40 – 460 mg/dl

WASTE DISPOSAL
This product is made to be used in professional laboratories. Please consult local regulations for a correct waste disposal.

EXPECTED VALUES
Fibrinogen 200 – 400 mg/dl

PACKAGING
CODE RK00780
Fibrinogen 1 x 15 wells

REFERENCES
Mancini & coll.- Immunochemistry. 2:235 (1965)
Fahey & coll.- J. Immunol. 94 : 84 (1965)

MANUFACTURER
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SYMBOLS
 Only for IVD use
 Lot of manufacturing
 Code number
 Storage temperature interval
 Expiration date
 Warning, read enclosed documents
 Read the directions
 Biological risk

Mod. 01.06 (ver 1.3 - 13/09/2005)