Determination of the C₃ 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 antiserum C₃.

REAGENTS PREPARATION AND STORAGE
The plates are ready to use.

MATERIALS REQUIRED BUT NOT SUPPLIED
Micropipette to 5 µl, slide rule, current laboratory instrumentation.

PRECAUTIONS
Reagent may contain some non-reactive and preservative components. It is suggested to handle carefully it, avoiding contact with skin and swallow.

TEST PERFORMANCE

Measure’s limit
26 – 300 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
C₃ 91 – 156 mg/dl

PACKAGING

CODE RK00400
C₃ 1 x 15 wells

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

MANUFACTURER

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SYMBOLES

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

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