

# Assays for Investigation of Complement Deficiency

Detect and quantify specific complement proteins, simply and economically.

## **SIMPLE**

Well-established radial immunodiffusion technology is easy to use  
Common test procedures with a single-step incubation  
Supplied in kit format with calibrator and control material

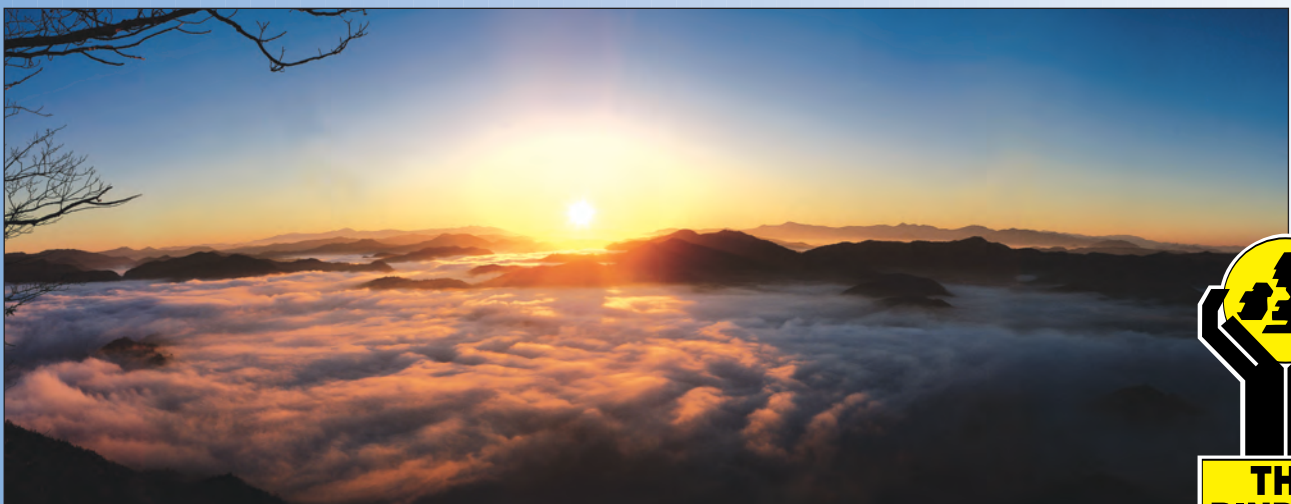
## **SPECIFIC**

Highly specific polyclonal antisera  
Detect and quantify individual components or factors of the complement cascade

## **FLEXIBLE**

Choice of incubation times  
Small numbers of samples may be run economically in your own laboratory

**SPECIALISTS IN HUMAN COMPLEMENT**



# Complement Deficiency

## Assay Principle

Radial Immunodiffusion (RID) is a well-established technique, based on the binding of antigen and antibody to produce a visible precipitin ring in a gel. Measurement of the ring diameter enables quantification of specific proteins present in a test sample.

The RID technique is simple to perform and is suitable for variable numbers of samples.

## Assay Procedure

1. Calibrators, control and samples (diluted as required) are added to the pre-cut wells on the RID plate.
2. The plate is incubated to enable the formation of precipitin rings.



3. The ring diameter may be measured using a Jeweller's eyepiece (product code AD040) or The Binding Site Digital RID Plate Reader (product code AD400).



4. Results are calculated using the RID Reference Table provided in the kit or by a simple graphical method.

## Quantitative Assays

DESCRIPTION	PACK	CODE
<b>C1 Inactivator - NL</b> Range 45 to 450 mg/L	3 plate kit	RN019.3
<b>C1q - NL</b> Range 23 to 230 mg/L*	3 plate kit	RN020.3
<b>C2 - NL</b> Range 3.6 to 36 mg/L	3 plate kit	RN022.3
<b>C3 - NL</b> Range 155 to 1550 mg/L	3 plate kit	RN023.3
<b>C4 - NL</b> Range 58 to 580 mg/L	3 plate kit	RN025.3
<b>C4 - Binding Protein - NL</b> Range 50 to 500 mg/L	3 plate kit	RN026.3
<b>C5 - NL</b> Range 20 to 200 mg/L	3 plate kit	RN027.3
<b>C6 - NL</b> Range 12 to 120 mg/L	3 plate kit 1 plate kit	RN102.3 RN102.1
<b>C7 - NL</b> Range 22 to 110 mg/L	3 plate kit 1 plate kit	RN103.3 RN103.1
<b>C8 - NL</b> Range 20 to 200 mg/L	3 plate kit 1 plate kit	RN089.3 RN089.1
<b>C9 - NL</b> Range 50 to 500 mg/L	3 plate kit 1 plate kit	RN028.3 RN028.1
<b>Factor B - NL</b> Range 45 to 450 mg/L	3 plate kit	RN029.3
<b>Factor H (β 1H) - NL</b> Range 70 to 700 mg/L	3 plate kit 1 plate kit	RN030.3 RN030.1
<b>Factor I - NL</b> Range 7 to 70 mg/L	1 plate kit	RN031.1

\* Diluted sample applied - assay range may be extended using undiluted sample.

## Functional Assays

DESCRIPTION	PACK	CODE
<b>Total Haemolytic Complement kit</b>	3 plate kit 2 plate kit 1 plate kit	RC001.3 RC001.2 RC001.1
<b>Alternative Pathway Haemolytic Complement kit</b>	3 plate kit 1 plate kit	RC003.3 RC003.1
<b>C1 Inactivator</b> Functional activity kit	3 plate kit	RC002.3
<b>C1 Inactivator</b> Functional activity COMBI kit*	3 plate kit	RK019

\* Combi kit contains 2 functional activity plates and 1 antigenic quantitation plate.



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