

# INSTRUCTIONS FOR USE

## HUMAN FACTOR H 'NL' BINDARID™

### For Research Use Only-Not For Use in Diagnostic Procedures

**PRODUCT CODE: RN030.1 & RN030.3**

These instructions relate to the use of the Factor H 'NL' RID Kit and should be read in conjunction with the General Instructions booklet.

#### **A CONTENTS**

1. 1 Radial immunodiffusion plate for RN030.1  
3 Radial immunodiffusion plates for RN030.3
2. 8 x Gel dividers (gel sectioning blades)
3. 1 x Lyophilised calibrator
4. 1 x Lyophilised control
5. 1 x 5mL 7% BSA
6. 1 x 5mL Distilled water
7. General Instructions Booklet
8. Specific Instructions Leaflet

#### **B THE ANTIGEN**

Factor H ( $\beta$ 1H) is a 150kD beta-1 glycoprotein which binds to C3b, thereby potentiating Factor I action. This is essential for the breakdown of fluid phase C3b bound by Factor I but it also accelerates cell bound C3b breakdown. By competing effectively for the Factor B binding site on C3b, Factor H accelerates C3b convertase decay in the alternative pathway. By being effective on cell bound C3b, complement activity is maximal at the required site.

#### **C PRACTICAL DETAILS**

1. Recommended sample fluid: Human serum.
2. Minimum diffusion time for Procedure THREE : 18h
3. Minimum diffusion time for completion : 72h  
(Procedures ONE and TWO)
4. Neat calibrator ring diameter at completion : 9mm
5. Recommended sample dilution : Neat
6. Recommended calibrator/sample volume : 5 $\mu$ L

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**RID Reference Table for Human Factor H 'NL'  
Concentration in mg/L**

Diameter of Ring	Concn.
4.0mm	59.2
4.1	67.1
4.2	75.3
4.3	83.7
4.4	92.3
4.5	101
4.6	110
4.7	119
4.8	129
4.9	138
5.0	148
5.1	158
5.2	168
5.3	178
5.4	189
5.5	200
5.6	211
5.7	222
5.8	233
5.9	245
6.0	256
6.1	268
6.2	280
6.3	293
6.4	305
6.5	318
6.6	331
6.7	344
6.8	357
6.9	371
7.0	385
7.1	398
7.2	413
7.3	427
7.4	441
7.5	456
7.6	471
7.7	486
7.8	501
7.9	517
8.0	532
8.1	548
8.2	564
8.3	581
8.4	597
8.5	614
8.6	631
8.7	648
8.8	665
8.9	682
9.0	700
9.1	718
9.2	736
9.3	754
9.4	773
9.5	791
9.6	810
9.7	829
9.8	848
9.9	868
10.0	887
10.1	907
10.2	927
10.3	947
10.4	968
10.5	988
10.6	1010
10.7	1030
10.8	1050
10.9	1070
11.0	1090

**Note:** The above values assume that test samples are applied neat in 5µL volumes.