AUTOZYME™ RF

Rheumatoid Factor Screen Assay

- ***Accuracy - calibration to reference preparation 64/2 & internal controls***
- ***Flexibility - kit can be run manually or on an automated system***
- ***Methodology - allows simultaneous measurement***
- ***Practicality - "break a well" strips allows economic use***
- ***Ready to use - colour coded reagents***
- ***Specificity - use of high purity horse IgG antigen***

CAMBRIDGE LIFE SCIENCES

• *Indication*

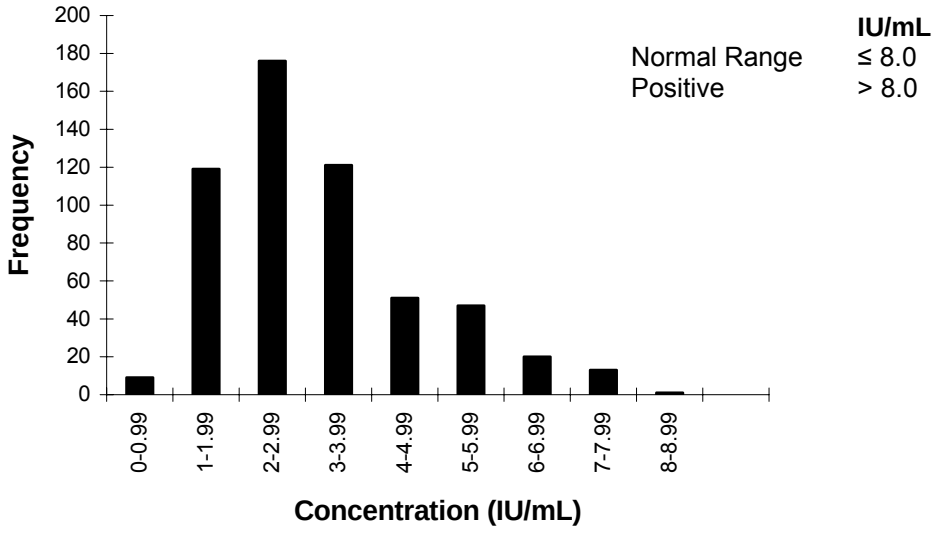
The AUTOZYME™ RF Screen assay has been designed for the quantitative detection of rheumatoid factor of all classes in human serum. The assay is calibrated using the British Reference Preparation (64/2).

• *Summary and explanation of test*

The presence of rheumatoid factors (auto-antibodies directed against the Fc region of IgG molecules) is a common feature of rheumatoid arthritis. Rheumatoid factors have been found among the IgM, IgA and IgG classes of immunoglobulin. Most agglutination methods detect 19s (pentameric) IgM rheumatoid factor (RF) only. Using ELISA technology all major immunoglobulin classes can be measured.

The measurement of RF is an important diagnostic tool in the detection and long term management of the disease in suspected rheumatoid patients.

• *Reference ranges*



- ***Related Products:*** **AUTOZYME™ ACL, ENA, IFAB, nDNA, TAB**
- ***Instructions for use & Safety data sheets available on-line at: http://www.clsdiagnostics.com/downloads/***

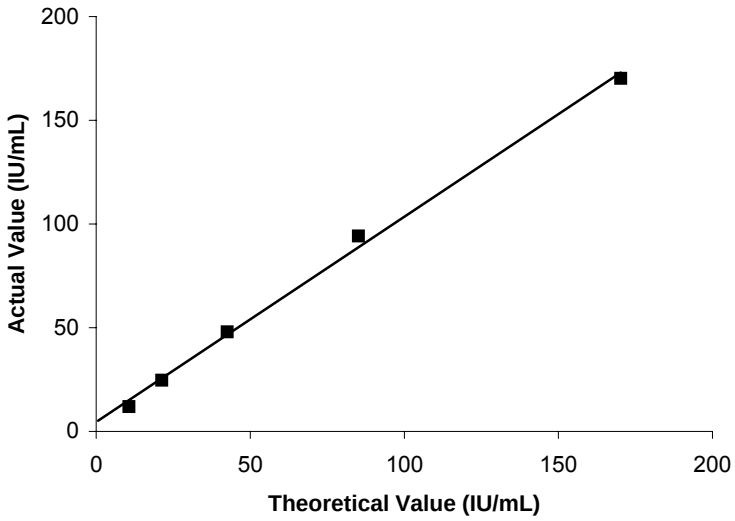
AUTOZYME™ RF
Rheumatoid Factor Screen Assay
Catalogue No. Z9096

CE

• Precision

Intra-assay precision (n = 20)		Inter-assay precision (n=8)	
Mean (IU/mL)	CV (%)	Mean (IU/mL)	CV (%)
1.9	9.8	2.3	13.9
76.5	4.0	75.8	4.9
112.4	3.6	114.2	4.1

• Linearity



• Interfering analytes

No significant interference outside of the usual precision of the assay was detected with the following potential interferents:

Bilirubin	>100mg/L
Haemoglobin	5g/L
Ascorbic acid	2g/L
Lipids	10%

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Test procedure

10 µL sample
990µL diluent
Dilute Sample 1/100

100 µL sample
Add calibrator, control or diluted sample
Incubate for 30 minutes

Wash 3 times

100 µL conjugate
Incubate for 30 minutes

Wash 3 times

100 µL substrate
Incubate for 30 minutes

100 µL stopping buffer
Measure at 405nm

AUT RFSRN v03 140605