

# AUTOZYME™ RF

## Rheumatoid Factor IgM antibodies

- **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

### • Indication

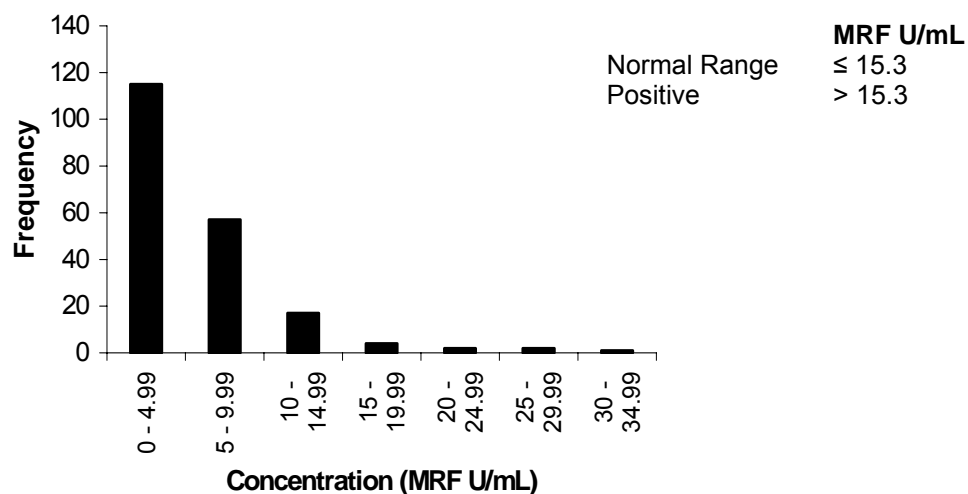
AUTOZYME™ RF Rheumatoid Factor IgM antibodies is a sandwich immunoassay for the quantitative detection of Rheumatoid Factor IgM antibodies in human serum.

### • Summary and explanation of test

The presence of rheumatoid factors (autoantibodies 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 IgM RF shows a strong correlation with the onset of an erosive disease state. However, IgM RF is also present in patients with SLE and bacterial endocarditis. Recent literature suggests that 75% of patients with chronic polyarthritis have IgM RF whereas 30% of patients with other connective tissue diseases have raised levels. IgM RF is also seen in other diseases such as viral hepatitis, liver cirrhosis, sarcoiditis and tuberculosis.

### • 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/>

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## Rheumatoid Factor IgM antibodies

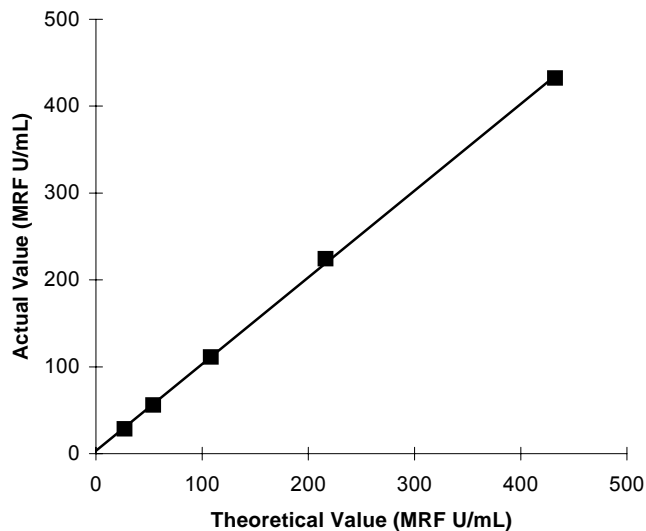
Catalogue No. Z9296



### Precision

Intra-assay precision (n = 20)		Inter-assay precision (n=10)	
Mean (MRF U/mL)	CV (%)	Mean (MRF U/mL)	CV (%)
3.0	6.9	3.8	16.7
196.2	9.5	195.2	11.0
363.3	13.1	361.6	12.3

### Linearity



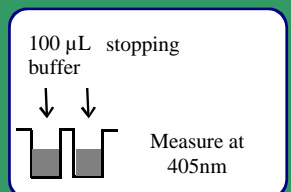
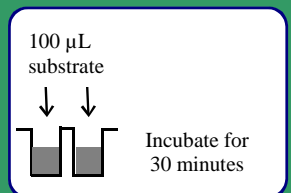
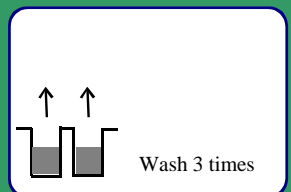
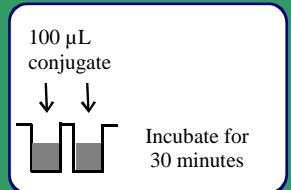
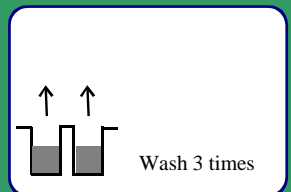
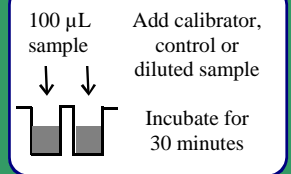
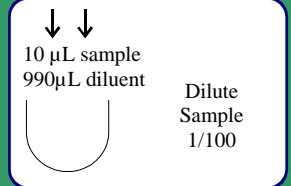
### Interfering analytes

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

Bilirubin	500 mg/L
Haemoglobin	5 g/L
Ascorbic acid	2 g/L
Lipids	10 %

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### Test procedure



AUT RF/IgM v03 130605