

## Quantia<sup>®</sup> RF

### Quantitative turbidimetric immunoassay for determination of Rheumatoid Factors

**Intended Use:** \_\_\_\_\_

Quantia<sup>®</sup> RF is used for the detection of Rheumatoid Arthritis (RA), Differential diagnosis of RA from Rheumatic fever and other rheumatic disorders.

**Quantia<sup>®</sup> RF Kit components:**

<b>Quantia<sup>®</sup> RF Activation Buffer (R1)</b>	Ready to Use
<b>Quantia<sup>®</sup> RF latex Reagent (R2)</b>	Ready to use uniform suspension of polystyrene latex particles coated with suitably modified Fc fraction of human IgG
<b>Quantia<sup>®</sup> RF Calibrator</b>	A lyophilized preparation of RF positive serum that is equivalent to stated amount of RF on IU/ml basis, when hydrated appropriately
<b>Other Accessories</b>	Package Insert, Graph paper

**Performance Characteristics:**

<b>Measuring range:</b> 20 - 160 IU/ml	<b>Prozone limit:</b> 1250 IU/ml
<b>Specificity:</b> Suitably modified Fc fraction of human IgG specific for IgM rheumatoid factors	

FEATURES	BENEFITS
Complete kit includes Activation buffer, latex based Fc fraction of aggregated human IgG reagent and calibrator	High Specificity to heterospecific IgM - RF Ensures lot to lot reagent calibrator interface Facility of calibration in every kit
Calibration traceable to WHO International reference preparation of Rheumatoid arthritis serum	Results aligned to International standards Good inter - method agreement in results
Reagent optimized on Immediate mixed blanking procedure	Eliminates need for separate reagent / sample blanking
Well defined assay procedure	Minimal risk of random errors resulting in improved precision No hidden cost of reagents for blanking
Sample blanking and testing performed in same cuvette using single sample aliquot	High precision
Ideal calibration curve	Accurate results
Measuring range: 20-160 IU/ml	Minimum reruns
Security range upto 1250 IU/ml	No prozoning within pathophysiological concentrations
Results based on calibration curve	Ensures accuracy in values
Standardized and programmable on Quantiamate Turbidimetry analyzer	High reagent - instrument interface High accuracy and precision
Convenient pack size of 50/150 tests	Ideal for medium and large users

Storage / Stability	Temperature	Duration
Unopened kit	2-8°C	12 months
In Use Stability (Reconstituted Calibrator)	2-8°C	7days
	25-30°C	48 hours

Available Pack Sizes	
50 Tests	150 Tests

<b>Suggested control</b>	Seroquant RF Level 1
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