

MATERIAL SAFETY DATA SHEET

IMTEC-RF IgM

1. Information of the Substance / Preparation and of the Company		
1.1	Product name	IMTEC-RF IgM
	REF	ITC60003 This applies also for respective Cat.Nos. for bulk, neutral and OEM products.
	IVD	In Vitro Diagnostic Medical Device
1.2	Company	HUMAN Gesellschaft für Biochemica und Diagnostica mbH, Max-Planck-Ring 21, 65205 Wiesbaden, Germany ☎: +49 (0) 6122 99 88 0; Fax: +49 (0) 6122 99 88 100 eMail: human@human.de
1.3	Emergency contact:	☎: +49 (0) 6122 99 88 0; Fax: +49 (0) 6122 99 88 100 eMail: human@human.de

2. Composition / Information on Ingredients					
2.1 Contents:		RGT	Reagent	Quantity	Formula
REF ITC60003					
		MTP	Microtiter Strips	12 strips á 8 wells	Formula
		WASH 20x	Washing buffer 20fold conc.	1 x 50 ml	Formula
		DIL	Dilution Buffer	1 x 100 ml	Formula
		CON	Conjugate Solution	1 x 15 ml	Formula
		PC	Positive Control Serum	1 x 1.5 ml	Formula
		NC	Negative Control Serum	1 x 1.5 ml	Formula
		CAL 1 – CAL 5	Calibrators	5 x 1.5 ml	Formula
		SUB	TMB Solution	1 x 15 ml	Formula
		STOP	Stop Solution	1 x 15 ml	Formula
2.2 Dangerous ingredients:					
Component	Substance	CAS	R- / S-Phrases	Symbol acc. relative concentration	Concentration
WASH 20x CON	2-Methyl-4-isothiazolin-3-on	2682-20-4	R24/25, R34, R37, R43, R50		< 0.05%
DIL PC NC CAL 1 – CAL 5	Sodium azide	26628-22-8	R 28-32-50/53 S 28-45-60-61		< 0.1%
STOP	Sulphuric Acid	7664-93-9	R35, S26-30-36/37/39-45		4.9%
2.3 Classification of Kit					
None					

3. Hazards Identification
Irritating to eyes, respiratory system and skin

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4. First-aid Measures	
Eye contact	Wash with copious amounts of water for at least 15 minutes. Assure adequate flushing of eyes by separating the eyelids. Seek medical advice.
Skin contact	Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing. Seek medical advice.
Ingestion	Seek medical advice immediately.
Inhalation	Fresh air. Seek medical advice.
Direction for physician	Symptomatic treatment.

5. Fire-fighting Measures	
Extinguishing media	Water, foam, depending on environment.
Thermal decomposition	Dangerous decomposition products and gases which are damaging to health in large quantities are not anticipated.
Further data	Not yet available

6. Accidental Release Measures	
After spillage	Soak up and remove with absorbent substances and dispose. Rinse well with water.
Absorbent material	No restrictions

7. Handling and Storage	
7.1 Handling	Substance itself does not burn. Handle with care.
7.2 Storage	Store at 2...8°C. Do not freeze.

8. Exposure Controls / Personal Protection	
Respiratory protection:	If gas or dust formation occurs.
Eye protection:	Yes. Wear goggles.
Hand protection:	Yes. Wear gloves and protective clothing. Wash hands after work and before breaks. Change contaminated clothing immediately.

9. Physical and Chemical Properties				
	WASH 20x	DIL	CON	PC
Appearance	liquid	liquid	liquid	liquid
Colour	colourless	red	colourless	red
Odour	none	none	none	none
pH (at 20°C)	6.9±0.2	7.1±0.2	7.2±0.2	7.1±0.2
Melting point	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O
Boiling point	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O
Flash point	n / a	n / a	n / a	n / a
Ignition temp.	n / a	n / a	n / a	n / a
Explosion limits, Lower	n / a	n / a	n / a	n / a
Upper	n / a	n / a	n / a	n / a
Vapour pressure	n / a	n / a	n / a	n / a
Density	≈ 1 g/ml	≈ 1 g/ml	≈ 1 g/ml	≈ 1 g/ml
Solubility in water	soluble	soluble	soluble	soluble
Further data	dilute aqueous solution			

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	NC	CAL 1 – CAL 5	SUB	STOP
Appearance	liquid	liquid	liquid	liquid
Colour	red	red	colourless to bluish	colourless
Odour	none	none	none	none
pH (@20°C)	7.1±0.2	7.1±0.2	3.7	< 1.0
Melting point	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O
Boiling point	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O	similar to H ₂ O
Flash point	n / a	n / a	n / a	n / a
Ignition temp.	n / a	n / a	n / a	n / a
Explosion limits, Lower	n / a	n / a	n / a	n / a
Upper	n / a	n / a	n / a	n / a
Vapour pressure	n / a	n / a	n / a	n / a
Density	≈ 1 g/ml	≈ 1 g/ml	≈ 1 g/ml	≈ 1 g/ml
Solubility in water	soluble	soluble	soluble	soluble
Further data	dilute aqueous solution			

10. Stability and Reactivity

Hazardous reactions	None known when used appropriately
Conditions to avoid	Freezing, high temperature
Hazardous decomposition products	Not known

11. Toxicological Information

Toxicological data for this product is not available. It contains small amounts of 2-Methyl—4-isothiazolin-3-on and sodium acid as preservatives and may be harmful if swallowed.

12. Ecological Information

Ecological data for this product is not available.

13. Disposal Considerations

Chemical residues and remains have to be treated and handled as special waste. They must be disposed of in compliance with anti-pollution and other applicable local regulations. To ensure compliance contact your local authority and/or a licensed waste-disposal company for further information.

14. Transport Information

UN	Shipping name	RID/ADR	ICAO/IATA	IMDG/EMS	MFAG
3264	Corrosive liquid, acidic, inorganic, n.o.s. (diluted sulphuric acid)	Class: 8 Code: C1 PG: III	Class: 8 PG: III PAS.: 852 CAO: 856	-	-

15. Regulatory Information

Symbol	Warning	R-/S-Phrases	Contents
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16. Other Information

The information herein is based on the current extent of our knowledge and is believed to be correct, but is provided without warranty of any kind. The recipient of our product is responsible for observing all applicable laws and regulations.