

SAFETY DATA SHEET

de: aracteristics:	225-300 Microplate Enzyme Immunoassay, Colorimetric					
levant identified uses						
antitative determination	of total thyroxine co	ncentration in huma	n serum or plasma by	a microplate enz	yme immunoassay,	
orimetric.						
r in vitro diagnostic use			mans or animals.			
tails of the supplier of nufacturer/Importer:	Manufacturer	et				
me or commercial name						
gistered office:		Drive Lake Forest	California 92630, USA			
lephone number:	+1.949.951.2665					
x number:	+1.949.951.3539					
nail:	info@monobind.					
OA Established						
egistration number:	2020726					
nergency telephone nu	Imber	den a Friday N	12 10			
.949.951.2665 (Hours: 8	s am-5 pm PST, Mon	day-Friday)				
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 General instructions:
 Immediately rinse with soap and plenty of water. Use personal protective working aids.

 If inhaled:
 Transport the affected person into the open air. If there are respiratory complaints, oxygen must be administered. If irritation persists, seek medical advice.

 In case of skin contact:
 Wash contacted area with soap and water. Remove contaminated clothing. If irritation occurs, seek medical advice.

 In case of contact with
 eyes: Rinse with a stream of water for at least 15 minutes. Thorough rinsing must be ensured by opening the eyelids. If irritation occurs, seek medical advice.

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If ingested: Do NOT induce vomiting. If conscious, rinse the mouth and administer a large amount of water to dilute the substance. In the case of unconsciousness, never administer anything orally. If irritation occurs, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

- No data available
- 4.3. Indication of any immediate medical attention and special treatment needed No data available

FIRE-FIGHTING MEASURES SECTION 5.

5.1. Extinguishing media

- Carbon dioxide, dry powder, foam, water
- 5.2. Special hazards arising from the substance or mixture

None 5.3. Advice for firefighters

Wear appropriate personal protective equipment and clothing. Wear self-contained breathing apparatus, if necessary.

ACCIDENTAL RELEASE MEASURES **SECTION 6.**

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear suitable personal protective clothing. 6.2. Environmental precautions

Avoid penetration into sewerage systems, surface and ground water. Avoid soil pollution.

6.3. Methods and material for containment and cleaning up

Cover with suitable absorbing material. After removing the substance, rinse the spot of spilling thoroughly with water and soap. Dispose of waste according to all federal, state, and local regulations.

6.4. Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for appropriate disposal methods.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spills. Avoid contact with skin, eyes and clothing. Use suitable protective means to work with the substance. Use in a well-ventilated area. Follow good manufacturing practices when using product. Do not drink, smoke, or eat in work areas.

7.2. Conditions for safe storage, including any incompatibilities

- Kit and unopened components: 7.2.1.
 - Store at temperatures between + 2 and + 8 °C in a dry and dark place until expiration date.
- 7.2.2. Opened components:

Opened reagents are stable for sixty (60) days when stored at 2-8 °C.

For prepared reagents (see product insert): 7.2.3.

Diluted wash buffer should be stored at room temperature (2-30 °C) for up to 60 days.

- Working substrate solution should be stored at 2-8 °C and is stable for one (1) year.
- Working T4 Enzyme-Conjugate Solution should be stored at 2-8 °C and used within twenty-four (24) hours.

7.3. Specific end uses

Product procedure should be performed by a skilled individual or trained professional for in vitro diagnostic use only.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

No substances with occupational exposure limits.

8.2. Exposure controls

8.2.1. Eye/face protection: Safety glasses or goggles with side shields recommended 8.2.2. Skin protection: Compatible protective gloves recommended. Wash hands after properly removing and disposing of gloves. Laboratory coats are recommended. Other skin protection: 8.2.3. Respiratory protection: No respiratory protection is required. Use product in rooms enabling good ventilation. If local exhaustion is necessary, general (forced) exhaustion is recommended. 8.2.4. Thermal hazards: None

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES 9.1. Information on basic physical and chemical properties

- Appearance: 9.1.1.
 - Physical state (at 20 °C)

Calibrators, Enzyme Reagent, Conjugate Buffer, Wash Solution Concentrate, Substrate Solutions, Liquid: Stop Solution Solid Microtiter strips Colour

	Coloui	
	Straw:	Calibrators
	Red:	Conjugate Buffer
	Yellow:	Enzyme Reagent
	Clear:	Stop, Substrates, Wash
9.1.2.	Odour:	Odourless
9.1.3.	Odour threshold:	Not applicable
9.1.4.	pH value:	Stop solution: < 3

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	Colibro	tom: 7.4 + 0.2
		tors: 7.4 ± 0.2 e: 7.3 ± 0.2
	Microtit	ter strips: 7.5 ± 0.2
		Solution Concentrate: 8.8 ± 0.2
		ate Reagent A: 3.2 ± 0.2 ate Reagent B: 5.0 ± 0.2
9.1.5.	Melting point/freezing point:	
9.1.6.	Initial boiling point/ boiling ra	ange: Not determined
9.1.7.	Flash point: Not app	
9.1.8. 9.1.9.	Evaporation rate: Not det Flammability (solid, gas):	termined Not flammable
9.1.9.	Upper/lower flammability or	
9.1.11.		termined
9.1.12.		termined
9.1.13.		termined
9.1.14. 9.1.15.	Solubility: Water s Partition coefficient: n-octar	
9.1.16.	Auto-ignition temperature:	Not applicable
9.1.17.	Decomposition temperature	
9.1.18.	Viscosity:	Not determined
9.1.19.	Explosive properties:	None Not determined
9.1.20.	Oxidising properties: her information	Not determined
No		The second se
6 - 64 -	Concerning and the second	and the second s
SECTIO		DREACTIVITY
10.1.Re	known reactivity hazards ass	
	emical stability	
Sta	able under recommended stora	age conditions
	ssibility of hazardous reacti	ons
	hazardous polymerization nditions to avoid	
	cessive heat and light	
	ompatible materials	
Aci		a a a a second of the second o
	zardous decomposition pro t determined	aucts
SECTIO	N 11. TOXICOLOGIC	AL INFORMATION:
	ormation on toxicological ef	
11.1.1.	Acute toxicity:	Not determined
11.1.2.		Not determined
11.1.3. 11.1.4.	, ,	
11.1.5.	Germ cell mutagenicity:	Not determined
11.1.6.	Carcinogenicity:	No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or
		confirmed human carcinogen by NTP (National Toxicology Program), IARC (International
11.1.7.	Reproductive toxicity:	Agency for Research on Cancer), or OSHA (Occupational Safety & Health Administration) Not determined
11.1.7.	STOT-single exposure:	Not determined
11.1.9.	STOT-repeated exposure:	Not determined
11.1.10.	Aspiration hazard:	Not determined
11.1.11.		
	If ingested: If inhaled:	No known health effects No known health effects
	If contact with skin:	No known health effects
	If contact with eyes:	No known health effects
11.1.12.	Symptoms related to the ph	ysical, chemical, and toxicological characteristics: None after short or long-term exposure
SECTIO		INFORMATION
12.1.To		

12.1.Toxicity Not determined. 12.2.Persistence and degradability Not determined 12.3.Bioaccumulative potential Not determined

- 12.4.Mobility in soil Not determined
- 12.5.Results of PBT and vPvB assessment

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Not determined

12.6.Other adverse affects

Not determined

DISPOSAL CONSIDERATIONS SECTION 13.

13.1.Waste treatment methods

All waste disposals must be carried out in accordance with federal, state, and local legislation and administrative regulations. A licensed professional waste disposal service should be utilized to dispose of material and packaging.

SECTION 14. TRANSPORT INFORMATION

14.1.UN number

Not available

14.2.UN proper shipping name

Not available

14.3.Transport hazard class(es)

Not available

14.4.Packing group

Not available

14.5.Environmental hazards

Overland transport (ADR/RID): None Water transport (ADN/IMDG): None None

Air transport (ICAO/IATA): 14.6.Special precautions for user

None

14.7.Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

SECTION 15.

REGULATORY INFORMATION 15.1.Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Reporting Requirements: None

TSCA All components in product preparations are lifted on the US Toxic Substances Control Act inventory of chemicals or are exempt from listing.

This safety data sheet has been prepared to comply with the requirements of Annex II, European Community Regulation No. 1907/2006 REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) and OSHA (Occupational Safety & Health Administration) 1910.1200, Appendix D.

15.2.Chemical safety assessment

None

SECTION 16. OTHER INFORMATION

Revision 3 (2019-Sep-17): Updated to include component pH value details Revision 2 (2015-MAY-05): updated to comply with requirements of Annex II, European Community Regulation No. 1907/2006

(REACH) and OSHA 1910.1200, Appendix D

Revision 1 (2010-DEC-01): updated to 16 point format

Revision 0 (2005-DEC-22): Initial creation

Hazard Statements		Hazard Class and Category Codes	
H314	Causes severe skin burns and eye damage	Skin Corr.	Skin Corrosion/Irritation
H335	May cause respiratory irritation	STOT SE 3	Specific Target Organ toxicity - Single Exposure
Hazard	Codes	Risk Phrases	
С	Corrosive	R34	Causes burns
Xi	Irritant	R37	Irritating to respiratory system

The material safety data sheet contains data necessary to ensure safety and health and environmental protection in working with chemical substances. This product is a chemical substance and can be solely used by persons with chemical education at their own risk. Monobind kits are designed for biomedical research. The manufacturer has no responsibility for damage caused by unsuitable use and by disrespecting the enclosed working instructions. The above-stated information cannot be considered as complete and must be understood to be only a methodical instruction.

DOCUMENT HISTORY					
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APPROVED BY:	_DEPT: Administration	EFFECTIVE DATE: 2019-SEP-17			
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