

MATERIAL SAFETY DATA SHEET

Product: **Rat/Mouse Insulin ELISA Kit**

Catalog #: **EZRMI-13K**

Composition/Information of Ingredients

<u>Component</u>	<u>Catalog #</u>	<u>Ingredients</u>	<u>See Below</u>
10X Wash Buffer Concentrate	EWB-HRP	Miscellaneous Buffers/Salts	1
		ProClin-300	2
Assay Buffer	AB-PHK	Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN ₃)	2
Rat/Mouse Insulin Standard Set	E8013-K	Insulin Standard (0.2 to 10 ng/ml)	1
		Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN ₃)	2
		Inert Coloring	1
Quality Controls 1 & 2	E6013-K	Insulin Standard	1
		Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN ₃)	2
		Inert Coloring	1
Serum Matrix	EMTX-RMI	Animal Serum	6
		Sodium Azide(NaN ₃)	2
Detection Antibody	E1013	Insulin Antibody	1
		Assay Buffer (as above)	3
Enzyme Solution	EHRP-3	Streptavidin – Horseradish Peroxidase Conjugate	5
Substrate	ESS-TMB2	3,3',5,5'-Tetramethylbenzidine	1
Stop Solution	ET-TMB	0.3M HCl	4
Microtiter Plate	EP13	Coated with antibody	1

Hazardous Ingredients:

1. Linco Research is not aware of any hazards for this product.
2. ProClin-300, 0.05% and Sodium Azide, 0.08%, or item containing sodium azide: CAS # 26628-22-8. See fire hazard and explosion information below.
3. Refer to ingredients and hazard information for Assay Buffer (above).
4. Hydrochloric Acid: This product is generally considered safe; however, all laboratory safety procedures must be followed and gloves and safety glasses must be worn when preparing this material.
5. Streptavidin – Horseradish Peroxidase Conjugate (SA-HRP): CAS #54-64-8. Wear gloves while using this component. Follow emergency first aid procedures.
6. Animal Serum: Potential Biohazard due to blood-borne pathogens. All precautions designated by your local Bloodborne Pathogen Exposure Control Plan should be followed.

Fire Hazard and Explosion Information:

The above listed component contains Sodium Azide. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides. If discarded into the sink, flush with a large volume of water to prevent azide build-up.

Health Hazard Data:

Appropriate handling of toxic chemicals in laboratories is essential. Periodic review of the safeguards must be ensured. Appropriate emergency procedures and equipment should be in place and their use should be reviewed. Laboratory technicians should be aware of the potential toxicity and rapidity of action, and signs and symptoms of poisoning with this compound.

Emergency and First Aid Procedures:

Ingestion: Obtain immediate medical attention.

Eyes: Immediately flush eyes with water.

Skin: Wash skin with soap and plenty of water.

Spill Procedures:

Spills should be cleaned up by using absorbents and thrown away in the proper receptacles.

Storage and Disposal:

Store all components at 2-8°C upon receipt. For periods longer than two weeks, consult the Kit Protocol included with the kit.

Disposal: Observe all federal, state and local environmental regulations.

Protective Equipment:

Ventilation: Provide local exhaust or process enclosure ventilation to meet the published exposure limits.

Clothing and Gloves: Wear appropriate protective clothing and equipment to prevent repeated or prolonged contact with this substance. Protective clothing should meet the requirements for personal protective equipment. This clothing should include a lab coat and protective gloves.

Eye protection should always be worn when working with chemicals.

Disclaimer:

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