

## MATERIAL SAFETY DATA SHEET

Product: **Human Leptin ELISA Kit**

Catalog #: **EZHL-80SK**

### Composition/Information of Ingredients

<u>Component</u>	<u>Catalog #</u>	<u>Ingredients</u>	<u>See Below</u>
Wash Buffer 10X Concentrate	EWB-HRP	Miscellaneous Buffers/Salts	1
		ProClin-300	2
Assay Buffer	EABTR	Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN <sub>3</sub> )	2
Human Leptin Standard Series	E8081-K	Human Leptin (0.5 to 100 ng/ml)	1
		Miscellaneous Buffers/Salts	1
		Assay Buffer (as above)	4
Quality Controls 1 & 2	E6000-K	Various Peptides Including Human Leptin	1
		Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN <sub>3</sub> )	2
		Inert Coloring	1
Enzyme Solution	EHRP-2	Streptavidin – Horseradish Peroxidase Conjugate (SA-HRP)	5
Substrate	ESS-TMB	3,3',5,'-Tetramethylbenzidine	1
Stop Solution	ET-TMB	0.3M Hydrochloric Acid	3
Detection Antibody	E1081	Human Leptin Antibody	1
		Assay Buffer (as above)	4
Microtiter Plate	EP81	Coated with antibody	1

### Hazardous Ingredients:

1. Linco Research is not aware of any hazards for this product. Avoid contact with eyes and skin.
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. Hydrochloric acid – In case of contact with skin, flush with water.
4. Refer to ingredients and hazard information for Assay Buffer (above).
5. Streptavidin – Horseradish Peroxidase Conjugate (SA-HRP): CAS #54-64-8. Wear gloves while using this component. Follow emergency first aid procedures.

### 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:**

Upon arrival, store all reagents at 2 – 8°C. For prolonged storage (>2 weeks) refer to the kit protocol.

**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 used when working with chemicals.

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