

MATERIAL SAFETY DATA SHEET

Product: **GLP-1 (Active) ELISA Kit** Catalog #: **EGLP-35K**

Composition/Information of Ingredients

<u>Component</u>	<u>Catalog #</u>	<u>Ingredients</u>	<u>See Below</u>
Wash Buffer 10X Concentrate	EWB	Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN ₃)	2
Assay Buffer	AB-GLPHK	Miscellaneous Buffers/Salts	1
		Sodium Azide (NaN ₃)	2
GLP-1 (Active) ELISA Standards	E8035-K	GLP-1 (7-36 amide) Standard	1
		Assay Buffer (as above)	4
ELISA Quality Controls 1 & 2	E6016-K	GLP-1 (7-36 amide) Standard	1
		Assay Buffer (as above)	4
		Inert Coloring	1
Detection Conjugate	E1035	GLP-1 Antibody	1
		Streptavidin-Alkaline Phosphate	5
		ProClin-300	2
Substrate Diluent	EDD-MUP	MgCl ₂	3
		Diethanolamine	3
Substrate (MUP)	ESS-MUP	4-Methylumbelliferyl Phosphate di-(2-amino-2-methyl-1, 3-propanediol) salt	3
Stop Solution	ET-AP	Miscellaneous Buffers/Salts	1
		ProClin-300	2
Microtiter Plate	EP35	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. 4-Methylumbelliferyl: CAS# 3368-04-5, Magnesium Chloride Anhydrous (MgCl₂): CAS# 7786-30-3, 90% Diethanolamine: CAS# 111-42-2. See health hazard data below.
4. Refer to ingredients and hazard information for Assay Buffer (above).
5. Streptavidin: CAS# 26628-22-8. Follow emergency and 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:

Catalog number ESS-MUP contains 4-Methylumbelliferyl. This chemical is toxic by inhalation, in contact with skin and if swallowed. Wear suitable protective clothing, gloves and eye/face protection. Do not breath vapor. In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If swallowed, wash out mouth with water, provided the person is conscious and seek medical attention immediately.

Catalog number EDD-MUP contains $MgCl_2$ and Diethanolemine. These chemicals may be toxic by inhalation, in contact with skin and if swallowed. Wear suitable protective clothing, gloves and eye/face protection. Do not breathe vapor. In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If swallowed, wash out mouth with water, provided the person is conscious and seek medical attention immediately.

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:

Storage: Store all components at 2-8°C upon receipt. For prolonged storage (>2 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 used when working with chemicals.

Disclaimer:

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