



Material Safety Data Sheet

PLAC[®] Test Calibrator Kit, Human Lp-PLA₂ Calibrator Kit

1. Chemical Product Identification

Product Name:	PLAC [®] Test Calibrator Kit, Human Lp-PLA ₂ Calibrator Kit
Product Number:	90008, 90108, 100108
Application of the Substance/Preparation:	In-vitro diagnostic reagent or component for use with PLAC Test Reagent Kit (REF 90107, 90112, 90115, 90116, 100107, 100112, 100115, 100126) or Human Lp-PLA ₂ Assay Kit (REF 90007, 90016)
Manufacturer/Supplier:	diaDexus, Inc. 343 Oyster Point Blvd. S. San Francisco, CA 94080 1-650-246-6400 www.diadexus.com www.plactest.com
Information Department:	Technical Services, Customer Support
Emergency Phone Number:	For technical assistance, please contact diaDexus at 1-877-342-3398 (U.S. only) or 1-650-246-6400.

2. Composition/Information on Components

Principal Hazardous Components	CAS Number	Concentration
Sodium Chloride (Salt, Rock Salt)	7647-14-5	<20%
ProClin [®] 300	55965-84-9	≤0.1%
Glycerol	56-81-5	≥5%

Note: Cal/OSHA has determined that substances present at less than 1%, if non-carcinogenic, are not required to be reported.

3. Hazards Identification

Emergency Overview:	Avoid contact and inhalation; harmful if swallowed; may irritate eyes, skin, and respiratory tract if inhaled. Effects of exposure may be delayed. Medical observation recommended for at least 48 hours after exposure.
Potential Health Effects:	
Inhalation:	May cause irritation of respiratory tract and mucous membranes.
Ingestion:	May be harmful if swallowed.
Skin Contact:	May cause irritation, specifically if skin is damaged.
Eye Contact:	May cause irritation, redness, and pain (for salt concentrations greater than normal saline).



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4. First Aid Measures

General Information:	This solution may be harmful and may irritate the eyes, skin, and respiratory tract. The effects of exposure may be delayed. Medical observation is recommended for at least 48 hours after exposure.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin Contact:	Immediately wash with water and soap and rinse thoroughly.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes.
Ingestion:	Immediately call a doctor.

5. Fire Fighting Measures

Protective Equipment:	Wear appropriate fire protection gear for surrounding fire.
Suitable Extinguishing Agents:	Dry chemical, CO ₂ , water spray, or regular foam.

6. Accidental Release Measures

Wear appropriate personal protective equipment, including but not limited to, protective clothing, safety glasses, and protective gloves. Clean spills immediately. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

7. Handling and Storage

Handling:	Follow package insert instructions. Use safety glasses and/or safety face shield while performing test.
Storage:	Refer to material package insert for storage conditions.
Other Precautions:	For in-vitro diagnostic use only. Do not apply to eyes or skin. Do not inhale or ingest.



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8. Exposure Control/Personal Protective Equipment

Airborne Exposure Limits:	Ingredient	CAS No.	OSHA PEL	ACGIH TLV
	Sodium Chloride	7647-14-5	N/E	N/E
	ProClin [®] 300	55965-84-9	N/E	≤0.1%
	Glycerol	56-81-5	15 mg/m ³ (total mist) <hr/> 5 mg/m ³ (respirable fraction)	10 mg/m ³

N/E = Not established

Respiratory Protection:	Not required for normal use.
Ventilation:	Use in well ventilated area or with local exhaust ventilation.
Protective Equipment:	Use general laboratory protective equipment, including safety glasses or goggles, protective gloves, and lab coat.
Other Protective Clothing or Equipment:	None for typical use.
Work/Hygienic Practices:	Avoid contact with eyes and skin. Always maintain good housekeeping. Do not eat or store food and beverages in areas where chemicals are stored.

9. Physical/Chemical Characteristics

- Boiling Point (°F): N/A
- Vapor Pressure (mmHg): N/A
- Vapor Density (Air = 1.0): N/A
- Solubility in Water: Fully miscible
- Appearance: N/A
- Form: Liquid
- Specific Gravity (Water = 1.0): N/A
- Percentage Volatile by Volume (%): N/A
- Evaporation Rate: N/A
- pH: 8.0
- Odor: N/A
- Color: Clear

10. Stability and Reactivity

Stability:	Stable under ordinary use and storage.
Hazardous Decomposition or Byproducts:	Toxic vapors may be released in a fire.
Hazardous Polymerization:	Will not occur.
Materials to Avoid:	Strong bases and strong oxidizing agents, reducing agents, amines, mercaptans.



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11. Toxicology Information

The toxicological properties have not been determined on the mixture as a whole. Toxicological data is provided for the individual components. Only selected data is presented here. Manufacturer MSDS's for individual components and references cited therein should be consulted for complete information.

Toxicological Investigations:	Type of Test	Route of Exposure	Species Observed	Dose Data
	Sodium Chloride:			
	LC50	Inhalation	Rodent, rat	>42 gm/m ³ /1H
	LD50	Skin	Rabbit	>10 gm/kg
	LD50	Oral	Rat	3000 mg/kg
	Glycerol:			
	LC50	Inhalation	Rodent, rat	>570 mg/m ³ /1H
	LD50	Onto the skin	Rabbit	27 gm/kg
	LD50	Oral	Rat	12600 mg/kg
	ProClin 300:			
	LD50	Onto the skin	Rodent, rabbit	2800 mg/kg
	LD50	Oral	Rodent, rat	862 mg/kg

- Glycerol and sodium chloride are investigated as mutagen, reproductive effectors.
- Carcinogenicity: None of the components are listed by NTP, IARC, or regulated by OSHA as carcinogens.

12. Ecological Information

No data available for the product mixture. Data for individual components is as follows:

- Sodium chloride: No information found.
- Glycerol: This material is expected to readily biodegrade if released into soil or water. When released into the air, may be moderately degraded by reaction with photochemical produced hydroxyl radicals.
- ProClin 300: No data available.

13. Disposal Considerations

Waste Disposal Method: Containers and unused contents should be disposed in accordance with federal, state, and local requirements.



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14. Transport Information

Data is not available for the product mixture as a whole. Most components have not been regulated.

DOT: Proper Shipping Name: Calibrator Kit
UN#: 3265
Class: 8
Packing Group: Packing Group II

IATA: Proper Shipping Name: Calibrator Kit
IATA UN Number: 3265
Hazard Class: 8
Packing Group: II

15. Regulatory Information

TSCA: Several components are listed under the TSCA chemical inventory.

SARA: Several components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Prop 65: Not regulated.

16. Other Information

The information, data, and recommendations contained herein are believed to be accurate but might not be all-inclusive and should be used only as a guide. diaDexus, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. We reserve the right to revise this MSDS periodically as new information becomes available.