

SAFETY DATA SHEET

In compliance with U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012) / GHS Rev. 7

Platelet Stabilization Tube

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SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name: Platelet Stabilization Tube
Catalog Number: ZK202603
Product Form: Mixture — liquid reagent contained in sealed evacuated glass tube

Recommended Use: Research reagent for stabilization of platelets' basal activation status in veterinary whole blood, protecting against artifactual ex vivo activation. FOR VETERINARY USE ONLY.

Manufacturer / Distributor:
IntelliFlow Tech LLC
16192 Coastal Highway, Lewes, DE 19958, United States
Tel: 1-818-278-9388 / 1-984-528-9102
Email: intelliflowtech@gmail.com
Website: www.intelliflowtech.com

Manufacturer (production):
Jiangsu Maik Medical Apparatus Co Ltd
No. 59 JiangShen Road, Jiangyan District, Taizhou City, China 225500

Emergency Contact: Tel: 1-818-278-9388

SECTION 2 — HAZARD(S) IDENTIFICATION

2.1 GHS Classification

Hazard Class	Classification
Acute Toxicity — Oral	Category 4 — H302
Acute Toxicity — Dermal	Category 4 — H312
Acute Toxicity — Inhalation	Category 4 — H332
Skin Sensitization	Category 1 — H317
Respiratory Sensitization	Category 1 — H334
Carcinogenicity	Category 1B — H350

2.2 Label Elements

Signal Word: DANGER

Hazard Pictograms:
Exclamation Mark (GHS07); Health Hazard (GHS08)

Hazard Statements:

- H302 — Harmful if swallowed
- H312 — Harmful in contact with skin
- H332 — Harmful if inhaled
- H317 — May cause an allergic skin reaction
- H334 — May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H350 — May cause cancer

Precautionary Statements:

- P201 + P202 — Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
- P260 + P270 + P271 — Do not breathe mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only in a well-ventilated area.
- P264 — Wash skin thoroughly after handling.
- P280 — Wear protective gloves and eye protection.
- P301 + P310 + P330 + P331 — IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.
- P302 + P352 + P333 + P313 — IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- P304 + P340 + P342 + P311 — IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
- P305 + P310 + P351 + P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Immediately call a POISON CENTER or doctor.
- P308 + P313 — IF exposed or concerned: Get medical advice/attention.
- P501 — Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards: N/A

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture containing aldehyde-based stabilizing agents in an aqueous medium. Specific chemical identities and exact concentrations are withheld as trade secret pursuant to 29 CFR 1910.1200(i)(1). All hazard information for components is fully disclosed in Sections 2 and 11.

Ingredient	CAS No.	Concentration Range
Formaldehyde	50-00-0	0.1% to 1%
Glutaraldehyde	111-30-8	0.1% to 1%

Exact concentrations are withheld as trade secret in accordance with 29 CFR 1910.1200(i). Additional proprietary stabilizing components are present; specific chemical identities are withheld as trade secret pursuant to 29 CFR 1910.1200(i)(1). All hazard information is fully disclosed in Sections 2 and 11.

SECTION 4 — FIRST-AID MEASURES**Skin Contact:**

Remove contaminated clothing. Rinse the contacted area with water; then wash with soap and water. Wash clothing before reuse. Consult a physician if irritation persists.

Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Consult a physician immediately.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Consult a physician or call a Poison Control Center immediately.

Inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. Consult a physician.

Most Important Symptoms and Effects:

Irritation of skin, eyes, and/or respiratory system may occur.

Indication of Immediate Medical Attention:

No data available.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, dry sand, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: None known.

Hazardous Combustion Products: Carbon oxides.

Protective Equipment: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions:

N/A

Containment and Cleanup:

Take up spill with absorbent material and place in a suitable waste container. Flush spill area with water.

SECTION 7 — HANDLING AND STORAGE

Refer to Instructions for Use (IFU) and labeling for handling and storage.

Handling: Avoid contact with skin and eyes. Ensure adequate ventilation. Keep containers closed when not in use.

Storage: Store in a cool, dry, well-ventilated place at 59–86°F (15–30°C). Keep away from strong oxidizing agents.

Incompatible Materials: Strong oxidizing agents; strong bases.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Formaldehyde (CAS 50-00-0)	0.75 ppm TWA / 2 ppm STEL	0.1 ppm Ceiling (C)	0.016 ppm TWA / 0.1 ppm STEL
Glutaraldehyde (CAS 111-30-8)	Not established	0.02 ppm Ceiling (C)	Not established

Engineering Controls:

Handle in accordance with good industrial hygiene and safety practices.

Personal Protective Equipment:

- Gloves: Nitrile rubber, minimum thickness 0.4 mm.
- Eye Protection: Safety glasses with side shields or face shield.
- Body Protection: Standard laboratory coat.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Appearance	Clear to slightly opalescent colorless liquid in sealed glass tube
Odor	Faint, characteristic (slight aldehyde note possible)
pH	Approximately 7.0–7.6 (physiologic range)
Boiling Point	Not applicable (sealed tube)
Flash Point	Non-flammable under normal use
Vapor Pressure	Not determined
Relative Density	Approximately 1.0 g/mL
Solubility	Miscible with water
Evaporation Rate	No data available
Flammability	Not flammable
Explosive Properties	Not applicable
Oxidizing Properties	Not applicable

SECTION 10 — STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: Excessive temperatures; direct sunlight; freezing.

Incompatible Materials: Strong oxidizing agents; strong bases.

Hazardous Decomposition Products: Carbon oxides and trace aldehyde vapors formed under fire conditions.

Hazardous Polymerization: Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

Routes of Exposure: Eyes, skin, respiratory system, and digestive system.

Symptoms: Irritation of skin, eyes, respiratory system, and digestive tract.

Immediate Effects: Can irritate with minimal exposure.

Delayed Effects: No data available.

Chronic Effects: No data available.

Exposure Limits: See Section 8.

Carcinogenicity:

Components of this product are listed as carcinogenic to humans under the International Agency for Research on Cancer (IARC) and as known human carcinogens under the National Toxicology Program (NTP) Report on Carcinogens.

Measures of Toxicity:

No data available. Bridging principles utilized to determine hazards. No testing has been conducted on the completed mixture.

Sensitization: Some individuals may develop skin sensitization to aldehyde compounds with repeated exposure. Use gloves consistently.

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Unused tubes (containing reagent only): Dispose of as hazardous chemical waste in accordance with 40 CFR 261.33 and applicable local, state, and federal regulations. Do not dispose of formaldehyde-containing waste into drain or sewer systems.

SECTION 14 — TRANSPORT INFORMATION

This material is not regulated by either IATA or DOT.

Regulatory Body	Status
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UN Number	N/A
UN Shipping Name	N/A
Transport Hazard Class	N/A
Packing Group	N/A
Environmental Hazards	N/A
DOT (Ground)	Not regulated
IATA (Air)	Not regulated
IMDG (Sea)	N/A

SECTION 15 — REGULATORY INFORMATION

U.S. Federal Regulations:

This product contains formaldehyde. Hazard communication is subject to 29 CFR 1910.1200 and 29 CFR 1910.1048. Workplace exposure assessment and control requirements depend on anticipated airborne formaldehyde release under reasonably foreseeable conditions of use.

OSHA Hazards: Acute Health Hazard; Chronic Health Hazard

SARA 311/312 Hazard Categories: Acute Health Hazard; Chronic Health Hazard

Toxic Substances Control Act (TSCA): All disclosed chemical components are listed on the TSCA Inventory.

California Proposition 65:

WARNING: This product contains formaldehyde, a substance known to the State of California to cause cancer.

Carcinogen Listings:

- Formaldehyde (CAS 50-00-0): IARC Group 1 — Carcinogenic to humans (Monograph Vol. 88, 2006; Vol. 100F, 2012). NTP — Known to be a human carcinogen (12th Report on Carcinogens, 2011).
- Glutaraldehyde (CAS 111-30-8): Not listed as a carcinogen by IARC or NTP.

SECTION 16 — OTHER INFORMATION

Issue Date: June 2026

FOR VETERINARY USE ONLY.

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, IntelliFlow Tech LLC assumes no liability whatsoever for the completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.