

IncuCyte® pHrodo® Labeling Buffer

1. IDENTIFICATION	
Product code:	Catalog Number 4649 (Component D) or Catalog Number 4766 (Component D), or Catalog Number 4658
Product name:	IncuCyte® pHrodo® Labeling Buffer
Unit size:	100 mL (Component D), 500 mL (Catalog Number 4658)
Manufacturer/supplier:	Essen BioScience Inc. (a Sartorius company) 300 West Morgan Road Ann Arbor MI 48108 USA
Emergency contact:	+1 (734) 769-1600
Fax contact:	+1 (734) 769-7295

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARD IDENTIFICATION	
GHS - Classification	
Signal word:	Not hazardous.
Health Hazard:	Not hazardous.
Physical Hazards:	Not hazardous.
Principle routes of exposure/Potential health effects	
Eyes:	May cause eye irritation with susceptible persons.
Skin:	May cause skin irritation in susceptible persons.
Inhalation:	May be harmful by inhalation.
Ingestion:	May be harmful if swallowed.
Specific effects	
Carcinogenic effects:	None.
Mutagenic effects:	None.
Reproductive toxicity:	None.
Sensitization:	None.
Target Organ Effects:	No known effects under normal use conditions.
HMIS:	
Health:	0
Flammability:	0
Reactivity:	0

3. COMPOSITION / INFORMATION ON INGREDIENTS	
	The product contains no substance which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. FIRST-AID MEASURES	
Skin contact:	Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion:	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation:	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions:	Use personal protective equipment.
Methods for cleaning up:	Soak up with inert absorbent material.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. See Section 12 for additional information.

7. HANDLING AND STORAGE	
Handling:	Always wear recommended Personal Protective Equipment. No special handling advice required.
Storage:	Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Exposure limits:	We are not aware of any national exposure limit.
Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment:	Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection:	Impervious gloves.
Eye protection:	Safety glasses with side-shields (or goggles).
Skin and body protection:	Lightweight protective clothing.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls:	Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES	
General information:	
Form:	Liquid.
Appearance:	No information available
Odor / odor threshold:	No data available
Important health and safety environmental information:	
Boiling point/range:	°C: No data available °F: No data available
Melting point/range:	°C: No data available °F: No data available
Flash point:	°C: No data available °F: No data available
Autoignition temperature:	°C: No data available °F: No data available
Oxidizing properties:	No information available.
Water solubility:	Soluble.
Viscosity:	No data available.
pH value:	7.4
10. STABILITY AND REACTIVITY	
Stability:	Stable under normal conditions.
Materials to avoid:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	None under normal use.
Polymerization:	Hazardous polymerization does not occur.
11. TOXICOLOGICAL INFORMATION	
Acute toxicity:	Not hazardous.
Principle routes of exposure/potential health effects	
Eyes:	May cause eye irritation with susceptible persons.
Skin:	May cause skin irritation in susceptible persons.
Inhalation:	May be harmful by inhalation.
Ingestion:	May be harmful if swallowed.
Specific effects (Long Term Effects)	
Carcinogenic effects:	None.
Mutagenic effects:	None.
Reproductive toxicity:	None.
Sensitization:	None.
Target organ effects:	No known effects under normal use conditions.
12. ECOLOGICAL INFORMATION	
Ecotoxicity effects:	No information available.
Mobility:	No information available.
Biodegradation:	Inherently biodegradable.
Bioaccumulation:	Does not bioaccumulate.
13. DISPOSAL CONSIDERATIONS	

14. TRANSPORT INFORMATION	
Proper shipping name:	Not classified as dangerous in the meaning of transport regulations.
Hazard class:	None
Subsidiary class:	None
Packing group:	None
UN-No:	None

15. REGULATORY INFORMATION	
US Federal Regulations	
SARA 313:	This product is not regulated by SARA.
Clean air act, section 112 hazardous air pollutants (HAPs) (see 40 CFR 61):	This product does not contain HAPs.
US State Regulations	
California Proposition 65:	This product does not contain chemicals listed under Proposition 65.
WHMIS Hazard Class:	Non-controlled This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION	
Date of preparation:	May 20, 2016
Revision date:	November 26, 2018

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any

damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

END OF SAFETY DATA SHEET