

# IncuCyte® pHrodo® Labelling Buffer

1. IDENTIFICATION	
Product code:	Catalog Number 4649 (Component D) or Catalog Number 4766 (Component D), or Catalog Number 4658
Product name:	IncuCyte® pHrodo® Labelling Buffer
Unit size:	100 mL (Component D), 500 mL (Catalog Number 4658)
Manufacturer/supplier:	Essen BioScience, Ltd. BioPark, Broadwater Road Welwyn Garden City, Hertfordshire AL7 3AX United Kingdom
Emergency contact:	+44 (0) 1707 358688
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For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARD IDENTIFICATION	
GHS - Classification	
Health Hazard:	Not hazardous.
Physical Hazards:	Not hazardous.
Environmental Hazards:	Not hazardous.
Classification according to Directive 67/548/EEC or 1999/45/EC:	Not hazardous.
Additional information:	Not applicable.
Label elements:	Labelling according to Regulation (EC) No 1272/2008 [CLP].
Hazard pictograms:	May cause skin irritation in susceptible persons.
Signal word:	None.
Hazard statements:	Not applicable.
Other Hazards:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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 with plenty of water. Immediate medical attention is not required.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Notes to physician:	Treat symptomatically.
Most important symptoms and effects, both acute and delayed: Not applicable.	
Indication of any immediate medical attention and special treatment needed: None.	
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
Unsuitable extinguishing media:	No information available.
Special hazards arising from the substance or mixture:	Not known.
Advice for fire-fighters:	Standard procedure for chemical fires.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures:	Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.
Environmental precautions:	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.
Methods and material for containment and cleaning up:	Soak up with inert absorbent material.
Reference to other sections	See section 8 for additional information
7. HANDLING AND STORAGE	
Precautions for safe handling:	Avoid contact with skin, eyes and clothing. Always wear recommended personal protective equipment.
Conditions for safe storage, including any incompatibilities:	Keep in a dry, cool and well-ventilated place.
Specific end use(s):	For in vitro diagnostic use.
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Control parameters	
Exposure limits:	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment:	
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection:	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Eye protection:	Tight sealing safety goggles.
Skin and body protection:	Wear suitable protective clothing.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls:	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.

9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Liquid.	
Odour:	No data available.	
pH:	Mixture has not been tested.	
pH:	7.4	
Boiling point/range:	°C Mixture has not been tested.	°F Mixture has not been tested.
Melting point/range:	°C Mixture has not been tested.	°F Mixture has not been tested.
Flash point:	°C Mixture has not been tested.	°F Mixture has not been tested.
Autoignition temperature:	°C Mixture has not been tested.	°F Mixture has not been tested.
Decomposition temperature:	°C Mixture has not been tested.	°F Mixture has not been tested.
Oxidizing properties:	No information available.	
Evaporation rate:	No data available.	
Flammability (solid,gas):	No data available.	
Upper explosion limit:	Mixture has not been tested	
Lower explosion limit:	Mixture has not been tested	
Vapour Pressure:	Mixture has not been tested	
Relative density:	Mixture has not been tested	
Specific gravity:	No data available.	
Solubility:	No data available.	
Partition coefficient:	No data available.	
N-octanol/water explosive properties:	Mixture has not been tested.	
Other information:	No data available.	
10. STABILITY AND REACTIVITY		
Reactivity:	None known.	
Chemical stability:	Stable under normal conditions.	
Possibility of hazardous reactions:	Hazardous reaction has not been reported.	
Conditions to avoid:	No information available.	
Incompatible materials:	No dangerous reaction known under conditions of normal use.	
Hazardous decomposition products:	No data available.	
11. TOXICOLOGICAL INFORMATION		
Information on toxicological effects:	There is no evidence available indicating acute toxicity.	
Principle routes of exposure/potential health effects		
Irritation:	Conclusive but not sufficient for classification.	
Corrosivity:	Conclusive but not sufficient for classification.	
Sensitisation:	Conclusive but not sufficient for classification.	
STOT - Single Exposure:	Conclusive but not sufficient for classification.	
STOT - repeated Exposure:	Conclusive but not sufficient for classification.	
Carcinogenicity:	Conclusive but not sufficient for classification.	
Mutagenicity:	Conclusive but not sufficient for classification.	
Reproductive toxicity:	Conclusive but not sufficient for classification.	

12. ECOLOGICAL INFORMATION	
Toxicity:	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Results of PBT and vPvB assessment:	This mixture does not contain any substances that are assessed to be a PBT or a cPvB.
Other adverse effects:	No information available.

13. DISPOSAL CONSIDERATIONS	
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.	

14. TRANSPORT INFORMATION	
IATA / ADR / DOT-US / IMDG:	Not classified as dangerous in the meaning of transport regulations.
UN number:	Not applicable.
UN proper shipping name:	Not applicable.
Transport hazard class(es):	Not applicable.
Packing group:	Not applicable.
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable.

15. REGULATORY INFORMATION	
Substances of very high concern:	None.
Restricted substances under EC 1907/2006, Annex XVII:	None.
Substances listed under Annex I of Regulation (EC) No 689/2008:	None.
Restricted substances under Annex V of Regulation (EC) No 689/2008:	None.
Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC:	None.
German water hazard classes (Wassergefährdungsklassen):	Not classified
Chemical safety assessment:	No Chemical safety assessment has been carried out

16. OTHER INFORMATION	
Date of preparation:	May 23, 2016
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## END OF SAFETY DATA SHEET