



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Identification of the substance or mixture

**Product code** 14025092  
**Product name** Hanks' Balanced Salt Solution (HBSS) (1X), liquid

### Company/undertaking identification

Life Technologies  
5791 Van Allen Way  
PO Box 6482  
Carlsbad, CA 92008  
+1 760 603 7200

Life Technologies Japan Ltd.  
Sumitomo Fudosan Mita Twin Bldg. East Wing  
4-2-8 Shibaura, Minato-ku  
Tokyo 108-0023  
Japan

TEL +81-3-6832-9300

### 24 hour Emergency Response:

866-536-0631  
301-431-8585  
Outside of the U.S. ++1-301-431-8585

For in vitro diagnostic use.

## SECTION 2: Hazards identification

### GHS - Classification

**Signal word**  
Not Hazardous

**Health hazards**  
Not Hazardous

**Physical hazards**  
Not Hazardous

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**Product name** Hanks' Balanced Salt Solution (HBSS) (1X), liquid

**Principle Routes of Exposure/  
Potential Health effects**

<b>eyes</b>	May cause eye irritation with susceptible persons
<b>Skin</b>	May cause skin irritation in susceptible persons
<b>Inhalation</b>	May be harmful by inhalation
<b>INGESTION</b>	May be harmful if swallowed

**Specific effects**

<b>Carcinogenic effects</b>	None
<b>Mutagenic effects</b>	None
<b>Reproductive toxicity</b>	None
<b>Sensitisation</b>	None

<b>Target Organ Effects</b>	No known effects under normal use conditions
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**SECTION 3: Composition/information on ingredients**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**SECTION 4: First aid measures**

<b>Skin contact</b>	Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a doctor.
<b>INGESTION</b>	Never give anything by mouth to an unconscious person. If symptoms persist, call a doctor. Do not induce vomiting without medical advice.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a doctor. If not breathing, give artificial respiration.
<b>Notes to Physician</b>	Treat symptomatically.

**SECTION 5: Firefighting measures**

<b>Suitable extinguishing media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

**SECTION 6: Accidental release measures**

<b>Personal precautions</b>	Use personal protection equipment.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

See Section 12 for more information.

**SECTION 7: Handling and storage**

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<b>Handling</b>	Always wear recommended Personal Protective Equipment. Wear personal protective equipment.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place.

## SECTION 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.

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand Protection</b>	Impervious gloves.
<b>Eye protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

### General information

<b>Form</b>	liquid	
<b>Appearance</b>	No information available	
<b>Odour</b>	no data available	
<b>Odour Threshold</b>	no data available	
<b>Boiling point / boiling range</b>	°C no data available	°F no data available
<b>Melting point / melting range</b>	°C no data available	°F no data available
<b>flash point</b>	°C no data available	°F no data available
<b>Autoignition temperature</b>	°C no data available	°F no data available
<b>Oxidising properties</b>	No information available	
<b>Water solubility</b>	soluble	
<b>Viscosity</b>	no data available	

## SECTION 10: Stability and reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	None under normal use conditions.
<b>polymerisation</b>	Hazardous polymerisation does not occur.

## SECTION 11: Toxicological information

### Acute toxicity

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Not Hazardous.

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Potential Health effects**

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<b>Target Organ Effects</b>	No known effects under normal use conditions

**SECTION 12: Ecological information**

<b>Ecotoxicity</b>	No information available
<b>Mobility</b>	No information available
<b>Biodegradation</b>	Inherently biodegradable.
<b>Bioaccumulation</b>	Material does not bioaccumulate

**SECTION 13: Disposal considerations**

Dispose of contents/containers in accordance with local regulations.

**SECTION 14: Transport information**

**IATA**

<b>Proper Shipping Name</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Hazard Class</b>	None
<b>Subsidiary class</b>	None
<b>Packing group</b>	None
<b>UN-No</b>	None

**SECTION 15: Regulatory information**

**Japan Chemical Inventories**

Complies

**In accordance with local and national regulations**

## SECTION 16: Other information

Unless specifically referenced in section 15 of this SDS, we have determined that this product does not require further notification or listing under the following Japanese regulations or laws: Fire Service Law, Poisonous and Deleterious Substance Control Law, Pollutant Release and Transfer Register, Industrial Safety and Health Law, Chemical Substance Control Law, Prohibition of Chemical Weapons and Regulation Specific Chemicals, Water Pollution Control Law, Air Pollution Control Law, Narcotics and Psychotropic Control Act, Stimulants Control Act, and Cannabis Control Act.

**Reason for revision**

SDS sections updated

For in vitro diagnostic use.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. 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 WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

**End of Safety Data Sheet**