



## MSDS COVER SHEET

F044	ECL Plus
Component #	Description
A	Luminol Enhancer Solution
B	Stable Peroxide Solution

F045	West Pico ECL
Component #	Description
A	Luminol Enhancer Solution
B	Stable Peroxide Solution

F046	West Femto ECL
Component #	Description
A	Luminol Enhancer Solution
B	Stable Peroxide Solution

F047	West Dura ECL
Component #	Description
A	Luminol Enhancer Solution
B	Stable Peroxide Solution

# Material Safety Data Sheet

Solution A: Luminol/Enhancer Solutions

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	Solution A: Luminol/Enhancer Solutions
<b>Product Number</b>	Solution A
<b>Brand</b>	Fluorescence Biotech
<b>Company/Address</b>	Beijing Fluorescence Biotechnology Co.Ltd No.26 LaiGuangYing West Road, Chaoyang District, Beijing 100012 E-mail: <a href="mailto:info@fluorescence.cn">info@fluorescence.cn</a> ; <a href="http://www.fluorescence.cn">www.fluorescence.cn</a>
<b>Telephone/FAX</b>	+86-400-686-3443

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion	Formula	Molecular Weight
Double distilled water	7732-18-5	>99%	H <sub>2</sub> O	18
Tris Base	77-86-1	<1%	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	121.14

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Caution - substance not yet fully tested. To our knowledge, the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution.

**Potential Health Effects: NOT determined for Inhalation, Ingestion, Skin, Eyes, Chronic Exposures and Target Organs etc.**

## 4. FIRST AID MEASURES

Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed, seek medical advice.

## 5. FIRE-FIGHTING MEASURES

Use dry chemical powder or appropriate foam extinguisher.

## 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill



onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

## 7. HANDLING AND STORAGE

### Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Storage

Desiccation required. Keep container tightly closed in a dry, cold, dark and well-ventilated place.

Store at  $\leq -20^{\circ}\text{C}$ . Protect material from long-term exposure to light; may be exposed to light for short periods of time.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

**ACGIH/OSHA Permissible Exposure Limit Data:** Not determined

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White-off Solution
<b>Physical State</b>	Solution
<b>Odor</b>	none
No data available for others	

## 10. STABILITY AND REACTIVITY

**Thermal Decomposition:** No decomposition if used according to specifications.

**Dangerous Reactions:** No dangerous reactions identified.

**Dangerous Products of Decomposition:** No dangerous decomposition products identified.

## 11. TOXICOLOGICAL INFORMATION

**RTECS Number:** None known

**Toxicity:** We are not aware of any toxicity data for this product.

**Potential Hazards:** The complete properties have not been investigated; however, similar compounds are known to be chemically reactive with proteins and other biochemicals and should be treated as potentially hazardous.

**Carcinogenicity:** Not listed by NTP, IARC or OSHA.

## 12. ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water course, or sewage system.

## 13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

## 14. TRANSPORT INFORMATION DOT Not dangerous goods

**Hazard Class:** Not determined

**Identification Number:** Not determined

**Packing Group:** Not classified

**Proper Shipping Name (Technical Name):** Not determined

## 15. REGULATORY INFORMATION

**US Toxic Substances Control Act (TSCA):** Not listed

**US Other:** Not applicable

**EEC EINICS Number:** Not identified

**EEC Risk Statements:** Not determined

**Other Country Regulations:** None identified

## 16. OTHER INFORMATION

*This material is sold for research purposes ONLY. **Fluorescence Biotech** will NOT be held liable for any damage resulting from handling or contact with the above product.*



# Material Safety Data Sheet

Solution B: Stable Peroxide Solutions

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Solution B: Stable Peroxide Solutions  
**Product Number** Solution B  
**Brand** Fluorescence Biotech  
**Company/Address** Beijing Fluorescence Biotechnology Co.Ltd  
No.26 LaiGuangYing West Road, Chaoyang District, Beijing 100012  
E-mail: [info@fluorescence.cn](mailto:info@fluorescence.cn) ; [www.fluorescence.cn](http://www.fluorescence.cn)  
**Telephone/FAX** +86-400-686-3443

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Proportion	Formula	Molecular Weight
Double distilled water	7732-18-5	>99%	H <sub>2</sub> O	18
Sodium Salt of Weak Mineral Acid	N/A	<1%	N/A	N/A

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Caution - substance not yet fully tested. To our knowledge, the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution.

**Potential Health Effects: NOT determined for Inhalation, Ingestion, Skin, Eyes, Chronic Exposures and Target Organs etc.**

## 4. FIRST AID MEASURES

Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed, seek medical advice.

## 5. FIRE-FIGHTING MEASURES

Use dry chemical powder or appropriate foam extinguisher.

## 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

## 7. HANDLING AND STORAGE

### Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Storage

Desiccation required. Keep container tightly closed in a dry, cold, dark and well-ventilated place.

Store at  $\leq -20^{\circ}\text{C}$ . Protect material from long-term exposure to light; may be exposed to light for short periods of time.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

**ACGIH/OSHA Permissible Exposure Limit Data:** Not determined



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless Solution
<b>Physical State</b>	Solution
<b>Odor</b>	none Odor

No data available for others

## 10. STABILITY AND REACTIVITY

**Thermal Decomposition:** No decomposition if used according to specifications.

**Dangerous Reactions:** No dangerous reactions identified.

**Dangerous Products of Decomposition:** No dangerous decomposition products identified.

## 11. TOXICOLOGICAL INFORMATION

**RTECS Number:** None known

**Toxicity:** We are not aware of any toxicity data for this product.

**Potential Hazards:** The complete properties have not been investigated; however, similar compounds are known to be chemically reactive with proteins and other biochemicals and should be treated as potentially hazardous.

**Carcinogenicity:** Not listed by NTP, IARC or OSHA.

## 12. ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water course, or sewage system.

## 13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

## 14. TRANSPORT INFORMATION DOT Not dangerous goods

**Hazard Class:** Not determined

**Identification Number:** Not determined

**Packing Group:** Not classified

**Proper Shipping Name (Technical Name):** Not determined

## 15. REGULATORY INFORMATION

**US Toxic Substances Control Act (TSCA):** Not listed

**US Other:** Not applicable

**EEC EINICS Number:** Not identified

**EEC Risk Statements:** Not determined

**Other Country Regulations:** None identified

## 16. OTHER INFORMATION

*This material is sold for research purposes ONLY. **Fluorescence Biotech** will NOT be held liable for any damage resulting from handling or contact with the above product.*