



# SAFETY DATA SHEET

## Section 1: Product and Company Identification

PRODUCT NAME: Yellow Chromogen Buffer  
PRODUCT CODE: SL-035/010

RECOMMENDED USE: Immunohistochemistry

MANUFACTURER: Cell IDx, Inc.  
ADDRESS: 6197 Cornerstone Court E., Ste 102  
San Diego, CA 92121

WEBSITE: [www.cellidx.com](http://www.cellidx.com)  
PHONE: 1.858.452.5800 9:00-5:00 Pacific time  
EMAIL: [support@cellidx.com](mailto:support@cellidx.com)

## Section 2: Composition/Information on Ingredients

Chemical Name	CAS#	Percent
Hydrogen Peroxide Solution	7722-84-1	<1%
Citric Acid	77-92-9	<1%

## Section 3: Health Identification

HEALTH HAZARD: not hazardous

PHYSICAL HAZARDS: not hazardous

PRINCIPLE ROUTES OF EXPOSURE/  
POTENTIAL HEALTH EFFECTS

Eyes: May cause temporary eye irritation  
Skin: Prolonged skin contact may cause redness and irritation.  
Inhalation: May cause coughing or mild irritation.  
Ingestion: May cause discomfort if swallowed.

HYDROGEN PEROXIDE SOLUTION <1%

CAS-No.: 7722-84-1

Classification (EC 1272/2008)

Ox. Liq. 1 - H271

Acute Tox. 4 – H302

Acute Tox. 4 – H332

Skin Corr. 1A – H314

STOT Single 3 H335

EC No.: 231-765-0

Classification (67/548/EEC)

R5

O;R8

C;R35

Xn;R20/22

CITRIC ACID <1% CAS-No.: 77-92-9

Classification (EC 1272/2008)

Eye Irrt. 2 – H319

EC No.: 201-069-1

Classification (67/548/EEC)

Xi;R36



# SAFETY DATA SHEET

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## Section 4: First Aid Measures

- Skin Contact:** Remove contaminated clothing immediately and wish skin with soap and water. Get medical attention promptly if symptoms occur after washing.
- Eye Contact:** Promptly wash eyes with plenty of water while lifting eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Obtain medical attention and bring these instructions.
- Ingestion:** NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.
- Inhalation:** In case of inhalation of spray mist: Move person into fresh air and keep at rest. Get medical attention if any discomfort continues. If breathing stops, provide artificial **respiration. Get medical attention immediately!**

**Indication of any immediate medical attention and special treatment needed:** No specific first aid measures noted. Treat Symptomatically.

## Section 5: Fire Fighting Measures

**5.1 Extinguishing media:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous Combustion Products**  
None under normal conditions.

**Unusual Fire & Explosion Hazards**  
None.

### 5.3. Advice for firefighters

**Special Fire Fighting Procedures**  
No specific fire fighting procedure given.

**Protective Measures In Fire**  
Use protective equipment appropriate for surrounding materials.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Avoid inhalation of spray mist and contact with skin and eyes. Use protective gloves, goggles, and suitable protective clothing for personal protection, see Section 8.

**Environmental precautions:** Do not allow to enter drains, sewers, or water sources.

**Methods and material for containment and cleaning up:** Stop leak if possible without risk. Absorb spillage with suitable absorbent material. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

## Section 7: Handling and Storage

**Precautions for safe handling:** Avoid spilling, skin and eye contact. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

**Conditions for safe storage, including any incompatibilities:**  
Store in tightly closed original containers in a dry, cool, and well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

**Control Parameters:**



# SAFETY DATA SHEET

Name: HYDROGEN PEROXIDE SOLUTION  
Workplace Exposure Limit UK- 8 hour TWA: 1.4 mg/m<sup>3</sup> UK- 15 min STEL: 125mg/m<sup>3</sup>

Protective equipment: Impermeable gloves and safety glasses  
Process conditions: Provide eyewash station.  
Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation spray.  
Respiratory Equipment: No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.  
Hand protection: Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.  
Skin Protection: Wear apron or protective clothing in case of contact. Wash contaminated clothing before re-use.  
Hygienic measures: DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking, and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke.  
Eye Protection: If risk of splashing, wear safety goggles or face shield.  
Other Protective Clothing or Equipment: Wear appropriate clothing to prevent any possibility of skin contact.

## Section 9: Physical and chemical properties

Form:	Liquid
Colour:	Colorless
Odor:	Odorless
Boiling Point/Range:	<100 @ 760 mm Hg
Melting point/Range:	0°C
Relative density	~1 g/ml
Vapour density	Not determined
Vapour pressure	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Solubility Value	Not determined
Decomposition temperature	Not determined
Flash Point:	Not applicable
Auto ignition temperature	Not determined
Water solubility:	Soluble
Explosive properties:	Not applicable
Oxidizing properties	Does not meet the criteria for oxidizing

## Section 10: Stability and Reactivity

Stability: Stable under normal conditions.  
Materials to avoid: Strong alkalis  
Reactivity: There are no known reactivity hazards associated with this product  
Conditions to avoid: Avoid exposure to high temperatures or direct sunlight.  
Polymerization: Hazardous polymerization does not occur.  
Hazardous decomposition products: None under normal conditions.

### Section 11: Toxicological Information

Skin Corrosion/Irritation:	Not determined
Human Skin Model Test	Not determined
Serious eye damage/irritation:	Not determined
Respiratory sensitization	Not determined
Skin sensitization	Not determined
Germ cell mutagenicity (InVitro)	Not determined
Carcinogenicity	Not determined
Reproductive Toxicity – Fertility	Not determined
Specific target organ toxicity - single exposure:	Not determined
STOT - Single exposure	Not determined
Specific target organ toxicity - repeated exposure:	Not determined
STOT - Repeated exposure	Not determined
Aspiration hazard:	Not determined
Viscosity	Not determined
Inhalation:	In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
Ingestion:	May cause discomfort if swallowed.
Skin Contact:	Liquid may irritate skin.
Eye Contact:	Spray and vapor in eyes may cause irritation and smarting.
Health Warnings:	Known or suspected mutagen. Known or suspected carcinogen for humans.
Route of entry:	Ingestion, skin, and/or eye contact

### Section 12: Disposal Considerations

General information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste treatment methods: Dispose of waste and residues in accordance with local authority requirements.

### Section 13: Ecological Considerations

Ecotoxicity: There are no data on the ecotoxicity of this product.

Acute Toxicity – Fish: Not considered toxic to fish

**Persistence and degradability**

Degradability: This product is expected to be biodegradable.

**Bioaccumulative potential:** No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

Partition coefficient - Not determined

**Mobility in soil:** The product is soluble in water.

**Results of PBT and vPvB assessment:**

No information available.

### Section 14: Transport Information

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA,ADR/RID).

Road Transport Notes	Not Classified
Rail Transport Notes	Not classified
Sea Transport Notes	Not classified

Air Transport Notes

Not classified

- 14.1. **UN number** - Not applicable.  
14.2. **UN proper shipping name** Not applicable.  
14.3. **Transport hazard class(es)** Not applicable.  
14.4. **Packing group** Not applicable.  
14.5. **Environmental hazards** Environmentally Hazardous Substance/Marine Pollutant - No.  
14.6. **Special precautions for user** Not applicable.  
14.7. **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** - Not applicable.

## Section 15: Regulatory Information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EU) No 453/2010 of 20 May 2010 Annex II and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. **Chemical Safety Assessment** No chemical safety assessment has been carried out.

## Section 16: Other Information

General information- Only trained personnel should use this material.

Risk Phrases In Full

R35	Causes severe burns.
R8	Contact with combustible material may cause fire.
R20/22	Harmful by inhalation and if swallowed.
R5	Heating may cause an explosion.
R36	Irritating to eyes.
R37	Irritating to respiratory system.

Hazard Statements In Full

H271	May cause fire or explosion; strong oxidizer.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its



## SAFETY DATA SHEET

accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.