

## CytoStain-Bluing™

### 1. Identification

**Product Name:** CytoStain-Bluing™

**Item #:** FX2106, FX2107, FX2107-GAL

**Synonyms:** N/A

**Recommended Use:** N/A

**Restrictions on Use:** N/A

**Manufacturer:**

**In Case of Emergency:**

Cancer Diagnostics, Inc.

Chemtrec US 1-800-424-9300

116 Page Point Circle

Infotrac International 1-352-323-3500

Durham, NC 27703

1-877-846-5393

### 2. Hazards Identification

**OSHA Hazard Classification(s):**

No OSHA Hazard Classifications Applicable

**Signal Word:** N/A

**Hazard Statement(s):** N/A

**Pictogram(s):** N/A

**Precautionary Statement(s):** Prevention: N/A

Response: N/A

Storage: N/A

Disposal: N/A

**Descriptions of Hazards not otherwise classified:** N/A

**Percent of mixture with unknown acute toxicity:** N/A

### 3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Water		7732-18-5	Trade Secret
Lithium Carbonate		554-13-2	Trade Secret
Select Preservative		Trade Secret	Trade Secret

### 4. First Aid Measures

**Eye Contact:** Flush eyes with water as a precaution.

**Skin Contact:** Wash off with plenty of water. Remove contaminated clothing and laundry before reuse as a precaution.

**Inhalation:** Move person to fresh air; give artificial respiration if breathing has stopped.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if discomfort occurs.

**Symptoms:** N/A

**Recommendations for immediate medical care/special treatment:** If exposure by any route causes irritation get medical advice/attention.

### 5. Fire- Fighting Measures

**Extinguishing Media:** N/A

**Fire Hazards (Chemical):** Material will not burn

**Special Protective Equipment:** N/A

**Precautions for Firefighters:** N/A

### 6. Accidental Release Measures

## CytoStain-Bluing™

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** See section 8

**Environmental Precautions:** Prevent release to the environment by using barriers.

**Containment and Clean-Up Procedures:** Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

### 7. Handling and Storage

**Handling:** Do not breathe vapors. Do not eat, drink or smoke when using this product. Keep container tightly closed.

**Storage:** Store in a well-ventilated place. Keep cool.

### 8. Exposure Controls/Personal Protection

#### OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
N/A		

#### ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
N/A			

**Engineering Controls:** Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

**Personal Protective Measures:** Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

**Special PPE Requirements:** If ventilation hood not available wear respirator.

### 9. Physical and Chemical Properties Section

**Appearance:** Colorless, Colorless Liquid

**Molecular Weight:** N/A

**Molecular Formula:** N/A

**pH:** 8.3-8.7

**Boiling Point and Boiling Range:** 100°C

**Melting Point/Freezing Point:** 0°C

**Flash Point:** N/A

**Specific Gravity/Relative Density:** N/A

**Odor:** Mild odor

**Odor Threshold:** N/A

**Color:** Colorless

**Flammability (solid/gas):** Will not burn

**Vapor Density:** N/A

**Upper/Lower flammability or explosive limits:** N/A

**Vapor Pressure:** N/A

**Evaporation Rate:** N/A

**Partition Coefficient: n-octanol/water:** N/A

**Viscosity:** N/A

**Auto-ignition temperature:** N/A

**Solubility:** Miscible in water

**Decomposition Temperature:** N/A

## CytoStain-Bluing™

### 10. Stability and Reactivity

**Reactivity:** N/A

**Chemical Stability:** Stable

**Conditions of Stability/Instability:** N/A

**Stabilizers needed:** None

**Safety issue indicated by appearance change:** N/A

**Other:** N/A

**Hazardous Reactions:** N/A

**Hazardous Polymerization:** Does not occur

**Conditions to avoid:** N/A

**Classes of Incompatible Materials:** Oxidizers, Strong Acids, Strong Bases. Water reactive substances (e.g. acetic anhydride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane)

**Hazardous Decomposition Products:** Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (i.e. Carbon monoxide) may be released in a fire.

### 11. Toxicological Information

#### Likely Routes of Exposure

**Eyes:** May cause irritation with redness and pain.

**Skin:** May cause irritation with redness and pain.

**Inhalation:** May cause irritation with sore throat and coughing.

**Ingestion:** Irritation to the gastrointestinal system.

**Signs or Symptoms of Exposure:** N/A

**Effects from short term exposure (delayed, immediate, chronic):** N/A

**Acute Toxicity (Numerical Measures):** N/A

**Carcinogenicity (NTP, IARC, OSHA):** Not a carcinogen.

### 12. Ecological Information

**Ecotoxicity:** May be harmful to aquatic life in large quantities.

**Persistence and degradability:**

**Bioaccumulation Potential (octanol-water partition coefficient, BCF):**

**Mobility in the soil:**

**Adverse Environmental Effects:**

### 13. Disposal Considerations

**Recommended Disposal Containers:** Check with your local waste authorities\*

**Recommended Disposal Methods:** Do not dispose of in drains, check with your local waste authorities.\*

**Physical/Chemical Properties affecting Disposal:** See section 2 and section 9 applicable information.\*

**Special Precautions for Landfill and Incineration Activities:** Check with your local waste authorities.\*

**Waste Stream:** Consult your local or regional authorities.\*

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**14. Transport Information**

<b>14.1 UN Number</b> DOT, IATA,IMDG, ADR	DOT: Not Regulated for Transport by DOT. ADR/RID: Not Regulated for Transport by ADR/RID. IMDG: Not Regulated for Transport by IMDG. IATA: Not Regulated for Transport by IATA.
<b>14.2 UN Proper Shipping Name</b> DOT, IATA,IMDG, ADR	ADR/RID: Not Regulated for Transport by ADR/RID. IMDG: Not Regulated for Transport by IMDG. IATA: Not Regulated for Transport by IATA. DOT: Not Regulated for Transport by DOT.
<b>14.3 Transport Hazard Class(es)</b>	DOT: Not Regulated for Transport by DOT. IATA: Not Regulated for Transport by IATA. IMDG: Not Regulated for Transport by IMDG. ADR/RID: Not Regulated for Transport by ADR/RID.
<b>14.4 Packing Group</b> DOT, IATA,IMDG, ADR	ADR/RID: Not Regulated for Transport by ADR/RID. IMDG: Not Regulated for Transport by IMDG. IATA: Not Regulated for Transport by IATA. DOT: Not Regulated for Transport by DOT.
<b>14.5 Environmental Hazards</b>	<b>Marine Pollutant:</b> No
<b>14.6 Special Precautions for User</b>	Not applicable.

**15. Regulatory Information**

OSHA:  
DOT:  
EPA:  
CPSC:

# CytoStain-Bluing™

## 16. Other Information

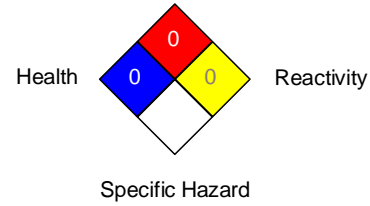
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### NFPA

Health	0
Fire Hazard	0
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA

Fire Hazard



### HMIS

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

### Notice to Reader:

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