



Stanbio Laboratory
1261 North Main Street
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<http://www.stanbio.com>

Hema-Screen™ Lab Pack

Cat. No. 1290, 1290-100

PRECAUTION

For In-Vitro Diagnostic Use Only

HAZARDOUS INGREDIENTS

In compliance with OSHA's Hazard Communication Standard (29CFR 1910.1200), a chemical mixture is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1% or more of a carcinogen. The product contains hazardous material(s) in excess of these amounts, therefore, precautions adequate for the pure form of the material(s) are presented here.

Principle Hazardous Component(s) of Hema-Screen™ Single Slide, 1291

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
None determined to be hazardous		

Principle Hazardous Component(s) of Hema-Screen™ Developer, 1292

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
1) Ethanol, 190 proof	Mixture*	70.0 %
*Ethanol	64-17-5	92.5 %
*Methanol	67-56-1	7.5 %
2) Hydrogen Peroxide	7722-84-1	13.0 %

PHYSICAL CHARACTERISTICS (Physical/Fire/Explosive Data)

1) Ethanol

Boiling Point: 173 °F**	Melting Point: -173 °F
Specific Gravity: 0.8158**	Flash Point: 60 °F

** Values listed for pure Ethanol

HAZARDS: Containers can build up pressure if exposed to heat and/or fire. Vapors can travel to a Source of ignition and flash back. With decomposition, carbon oxides and formaldehyde may form.

EXTINGUISHING MEDIA: Use dry chemical, "alcohol" foam or carbon dioxide. Water may be ineffective, But water should be used to keep fire-exposed containers cool.

GENERAL INFORMATION: Wear a self contained breathing apparatus and protective clothing.

2) Hydrogen Peroxide

Boiling Point: 223 °F	Melting Point: -13 °F
Specific Gravity: 1.1	Flash Point: NA

HAZARDS: Negligible fire hazard when exposed to heat or flame. Oxidizers decompose, especially when heated, to yield oxygen or other gases which will increase the burning rate of combustible matter. Contact with easily oxidizable, organic or other combustible materials may result in ignition, violent combustion or explosion.

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EXTINGUISHING MEDIA: Use water only. No dry chemical, carbon dioxide or halon. For larger fires flood area with water from a distance.

GENERAL INFORMATION: Wear a self contained breathing apparatus and protective clothing.

REACTIVITY DATA

Hema-Screen™ Developer contains Ethanol (190 proof) and Hydrogen Peroxide.

STABILITY: Stable at room temperature in closed containers under normal storage and handling Conditions.

INCOMPATIBILITY: For Ethanol, avoid contact with Acetyl Chloride and other oxidizing agents. For Hydrogen Peroxide avoid the following as an explosion may occur: Acetone, Dimethyl Benzicarbino and Sulfuric Acid, 2-methyl-1-phenyl-2-Propanol and Sulfuric Acid, Platinum, Ketones and Nitric Acid, organic matter, Thiodiglycol and Acetone on heating, Glycerin, Acetic Acid and n-Heterocycloes, Chlorosulfonic Acid, Formic Acid and Metaboric Acid, Sulfuric Acid on evaporation, Vinyl Acetate and Osmium Tetraoxide, Lithium Tetrahydroaluminat, Acetal and Acetic Acid, n-Butanol and Sulfuric Acid, Formic Acid and organic substance, Silver,

HAZARDOUS POLYMERIZATION: Will not occur

HEALTH HAZARD DATA

1) Potassium Carbonate

THRESHOLD LIMIT: Not established

LD50 (oral rat): 1870 mg/kg

CARCINOGEN: No

SIGNS/SYMPTOMS OF EXPOSURE: Contact with eyes and skin causes irritation and possible burns. Harmful if swallowed. May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. Causes respiratory tract irritation.

2) Triton X-100

THRESHOLD LIMIT: Not established

LD50 (oral rat): 1800 mg/kg

CARCINOGEN: No

SIGNS/SYMPTOMS OF EXPOSURE: Brief contact with skin is not irritating. Prolonged exposure may cause discomfort and local redness. For eyes, causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, marked excess redness and swelling of the conjunctiva, and chemical burns of the cornea. Iritis may occur. Mist may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain and coughing.

3) Trizma Base

THRESHOLD LIMIT: Not established

LD50 (oral rat): 5900 mg/kg

CARCINOGEN: No

SIGNS/SYMPTOMS OF EXPOSURE: May be harmful by inhalation, ingestion or skin absorption. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Get medical attention.

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Cat. No. 1290, 1290-100

EYES: Flush eyes including under the eyelids with water for 15 minutes. Get medical attention.

SKIN: Flush skin with water for 15 minutes. Wash affected area thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INGESTION: Drink large quantities of water or milk. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required
VENTILATION: Good ventilation
GLOVES: Yes
LAB COAT: Yes
EYE PROTECTION: Yes
LABORATORY PRECAUTIONS: Do not pipette by mouth. Normal laboratory precautions are recommended.

SPECIAL PRECAUTIONS

Reagents contain sodium azide as preservative. Accumulation of azide may react with copper or lead plumbing to form explosive compound on percussion. Flush drain with copious amounts of water to prevent build up.

SPILL/LEAK PROCEDURES

SPILL RESPONSE: Ventilate area. Absorb with non-reactive absorbent. After absorption, scoop up into a container for proper disposal. Wash area clean after material is scooped up.

WASTE RESPONSE: Dispose of in a manner consistent with federal, state and local regulation.

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