

**Hema-Screen™ Lab Pack**

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

Product Identification: Hema-Screen™ Lab Pack  
Ref No. 1290, 1290-100, etc.

Test kit contains Hema-Screen™ Single Slide and Hema-Screen™ Developer.

Company Identification: Stanbio Laboratory  
1261 North Main Street  
Boerne, TX 78006

Telephone Number: (830) 249-0772  
Website: <http://www.stanbio.com>

**SECTION 2 – HAZARDS IDENTIFICATION**

**Routes of Exposure:** Only when used as directed.

**Classification system:** 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.

**National Fire Protection Association (NFPA) ratings (scale 0-4):**

Health=0  
Fire=0  
Reactivity=0

**Hazard Overview**

**Health:** Minimal risk if used as directed.

**Fire:** Not considered a fire hazard.

**Reactivity:** Hema-Screen™ Developer contains Ethanol 190 proof and Hydrogen Peroxide. Minimal risk.

**Special Hazards:**

Ethanol 190 Proof: 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.

Hydrogen Peroxide: Negligible fire hazard when exposed to heat or flame.

**Carcinogenicity information**

**OSHA (Occupational Safety and Health Administration):** None of the ingredients is listed.

**NTP (National Toxicology Program):** None of the ingredients is listed.

**IARC (International Agency for Research on Cancer):** None of the ingredients is listed.

**SECTION 3 – PRODUCT COMPOSITION**

The test kit is composed of Hema-Screen™ Single Slide and Hema-Screen™ Developer.

Hema-Screen™ Single Slide/1291 (The reagent contains by percentage the following amounts of chemicals)

**Hema-Screen™ Lab Pack**

Chemical Name	CAS No.	Concentration
None determined to be hazardous.		

Hema-Screen™ Developer/1292 (The reagent contains by percentage the following amounts of chemicals)

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

**SECTION 4 – FIRST AID MEASURES**

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

**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.

**SECTION 5 – FIRE FIGHTING MEASURES**

Ethanol 190 Proof

**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.

Hydrogen Peroxide

**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.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**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.

**SECTION 7 – HANDLING AND STORAGE**

**HANDLING:** Avoid contact with skin and eyes. Keep all containers, equipment and working place clean.

**STORAGE:** Keep containers tightly closed and at a temperature listed on label. Protect from heat and direct sunlight.

**Hema-Screen™ Lab Pack**

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with Occupational Exposure Limits: The product does not contain any hazardous ingredients with occupational exposure limits established by OSHA, ACGIH, or NIOSH.

**Exposure controls**

Provide good ventilation and/or an exhaust system in the work area.

**Personal Protection Equipment**

Breathing equipment: Use adequate protection to prevent inhalation, or good ventilation in room.

Hand protection: Wear necessary gloves when handling.

Eye protection: Wear appropriate safety glasses or other protective eyewear.

Body protection: Wear apron, laboratory coat or appropriate protective clothing when handling.

**General protective and hygienic measures:** Always maintain good housekeeping. Do not eat, drink or store food and beverages in areas where chemicals are used. Wash hands before breaks and at the end of the work shift.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Ethanol

Boiling Point: 173°F\*\*

Melting Point: -173°F\*\*

Specific Gravity: 0.8158\*\*

Flash Point: 60°F\*\*

\*\* Values listed for pure Ethanol

Hydrogen Peroxide

Boiling Point: 223°F

Melting Point: -13°F

Specific Gravity: 1.1

Flash Point: NA

**SECTION 10 – STABILITY AND REACTIVITY**

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-Heterocycles, Chlorosulfonic Acid, Formic Acid and Metaboric Acid, Sulfuric Acid on evaporation, Vinyl Acetate and Osmium Tetraoxide, Lithium Tetrahydroaluminate, Acetal and Acetic Acid, n-Butanol and Sulfuric Acid, Formic Acid and organic substance, Silver,

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**LD50/50LC values for hazardous ingredients per OSHA criteria:**

**Ingredients (100% pure substance/s)**

Not applicable.

**Hema-Screen™ Lab Pack**

**Primary toxicological effects of the final product**

**Skin irritation:** Not determined.

**Eye irritation:** Not determined.

**Sensitization:** No sensitizing effects known.

**Target organs/systems:** Not determined.

**SECTION 12 – ECOLOGICAL INFORMATION**

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

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

**SECTION 14 – TRANSPORT INFORMATION**

**Road: DOT class** - Not restricted for transportation.

**Sea: IMDG Class - Marine pollutant:** No

**Remarks:** Not restricted for transportation.

**Air: ICAO/IATA Class** - Not restricted for transportation.

**SECTION 15 – REGULATORY INFORMATION**

**SARA (Superfund Amendments and Reauthorization Act of 1986 – USA):**

**Section 302/304 (40CFR355.40):** The product does not contain listed substances.

**Section 313 (40CFR372.65):** The product does not contain listed substances.

**California Proposition 65 (USA)**

**Chemicals known to cause cancer:** The product does not contain listed substances.

**Chemicals known to cause female reproductive toxicity:** None of the ingredients is listed.

**Chemicals known to cause male reproductive toxicity:** None of the ingredients is listed.

**Chemicals known to cause developmental reproductive toxicity:** None of the ingredients is listed.

**Markings according to European guidelines:** observe the general safety regulations when handling chemicals. The product does not require any hazard warnings according the respective European Community (EC) Directives.

**SECTION 16 – OTHER INFORMATION**

The information contained in this SDS is believed to be accurate and represents the best information currently available. Stanbio Laboratory makes no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should determine suitability of the information contained in SDS for their particular purpose.

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