



**BIOMERICA**  
**MATERIAL SAFETY DATA SHEET**

ACTH ELISA Kit

Code # 7023

inhalation, in contact with skin and if swallowed. Avoid contact with Stop Solution containing 1N H<sub>2</sub>SO<sub>4</sub> (Sulfuric Acid), an irritant to the skin and mucous membranes.

<b>Section 4 -</b>	<b>FIRST AID MEASURES</b>
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- Skin Contact:** Remove contaminated clothing and wash the exposed skin area thoroughly with soap and water.
- Eye Contact:** Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
- Inhalation:** Remove to fresh air, give oxygen if breathing becomes difficult and seek medical attention.
- Ingestion:** Flush mouth with copious amounts of water, provided that the person is conscious and seek medical attention.

<b>Section 5 -</b>	<b>FIRE AND EXPLOSION DATA</b>
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- Suitable Extinguishing Media:** Chemical or water fire extinguisher.
- Extinguishing Media Not to be Used:** None known.
- Special Fire Fighting Procedures:** None Known.
- Unusual Fire and Explosion Hazards:** None known.
- NFPA Rating:** Health: 3, Flammability: 0, Reactivity: 2 (for concentrated Sulfuric Acid)

<b>Section 6 -</b>	<b>MEASURES IN CASE OF ACCIDENTAL SPILL</b>
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- Body Precautions:** Wear gloves, impermeable shoe covers and laboratory coat. Ensure adequate ventilation.
- Environmental Precautions:** Contain the spill to the smallest area possible.
- Cleaning Measures:** Take care not to contaminate body. Neutralize a Stop Solution spill with dilute base, then absorb the material with disposable towels. Soak a calibrator or control spill area with a 10% bleach solution and wipe up with disposable towels. Dispose of all contaminated trash in accordance with local regulations.

<b>Section 7 -</b>	<b>HANDLING AND STORAGE</b>
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- Handling:** Wear suitable personal protective equipment. Take care not to splash, spill or splatter standards, stop solution or controls. Avoid contact with skin or eyes.
- Storage:** Store kit reagents in 2 - 8° C in refrigerators designated and labeled to contain human blood products.

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<b>Section 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION</b>
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**Body Protection:** Wear laboratory coat.

**Respiratory protection:** In case of fire, wear self-contained breathing apparatus.

**Hand Protection:** Wear non-permeable rubber, neoprene, latex or nitrile disposable gloves. Change gloves when they become contaminated.

**Eyes Protection:** Wear safety glasses or goggles when a splash hazard exists.

**Others:** None known.

<b>Section 9 - PHYSICAL AND CHEMICAL CHARACTERISTICS</b>
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**Physical State:** Liquid except for Calibrators B to Calibrator F and Control 1/Control 2 which are lyophilized and Streptavidin coated microwell.

**Color:** Antigliadin IgA: Red for Serum Diluent, Red for Calibrators  
Antigliadin IgG: Blue for Serum Diluent, Blue for Calibrators  
Transglutaminase: Red for Serum Diluent, Red for Calibrators  
and clear for all other liquid reagents.

**Odor:** None detectable.

**pH:** 5.56 – 7.4 for all components except Stop Solution at <2 (highly acidic)

**Boiling Point:** Not applicable.

**Melting Point:** Not applicable.

**Flash Point:** Not applicable.

**Flammability:** Not Flammable.

**Auto flammability:** Will not occur.

**Vapor Pressure:** Not applicable.

**Relative Density:** 1-3 mg/ml

**Water Solubility:** 100% soluble.

<b>Section 10 - STABILITY AND REACTIVITY DATA</b>
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**Stability:** Stable in Normal Conditions.

**Conditions to Avoid:** None known.

**Materials to Avoid:** None known.

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**Hazardous Decomposition Products:** None Known.

<b>Section 11 -</b>	<b>TOXICOLOGY INFORMATION</b>
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**Effects of Dangerous Substances at the Concentrations Present in the Preparation:**

**Toxic Effects:** Potential Biohazard.

**Harmful Effects:** Potential Biohazard.

**Sensitizing Effects:** None known.

**Carcinogenic/Mutagenic/Teratogen Effects:** None known.

<b>Section 12 -</b>	<b>ECOLOGICAL INFORMATION</b>
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None Known.

<b>Section 13 -</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**Disposal of Preparation Left:** Dispose according to current regional and national rules.

**Contaminated Containers:** Dispose of following current regulations.

<b>Section 14 -</b>	<b>TRANSPORTATION INFORMATION</b>
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**Road / Railway Haulage ADR/RID:** Not restricted.

**Sea Freight IMO (IMDG):** Not restricted.

**Air Freight IATA (ICAO):** Not restricted.

**UN Number:** Not applicable.

<b>Section 15 -</b>	<b>OTHER REGULATORY INFORMATION</b>
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**Classification:** This preparation is classified and labeled according to EEC Directive n. 88/379.

**Symbols of Danger:** None.

**"R" Phrases Indicating Specific Risks:** R 35 – (for concentrated Sulfuric Acid) Causes severe burns.

**"S" Phrases Indicating Caution:** S 26 – (for concentrated Sulfuric Acid) In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

<b>Section 16 -</b>	<b>OTHER INFORMATION</b>
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**Recommended Use:** For research or *in vitro* diagnostic use only. Not for use on or in humans and animals.

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