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Web: [www.GBiosciences.com](http://www.GBiosciences.com), Email: [technical@GBiosciences.com](mailto:technical@GBiosciences.com) [Rev 4.13.11/IA-JK]  
**Emergency Contact:** Chemtrec 800-424-9300

**Product:** Protease-Arrest™ **Catalog #:** 786-108 & 786-437

<u>Components</u>	<u>786-108</u>	<u>786-437</u>
Protease-Arrest™ [100X]	2ml	5ml
EDTA (0.5M) [100X]	2ml	5ml

## Material Safety Data Sheet

### Section 1: Chemical Identification

**Name:** Protease-Arrest™ [100X]

**Catalog #:** a component of product Cat # 786-108 & 786-437 indicated above.

### Section 2: Composition/Information on Ingredients

Non-hazardous addition of various protease inhibitors, Contains:

Dimethyl Sulfoxide (DMSO) >90%, CAS# 67-68-5

### Section 3: Hazards Identification

#### **Classification of the substance or mixture**

According to Regulation (EC) No1272/2008

Skin irritation (Category 2)

Eye irritation (Category 2)

According to European Directive 67/548/EEC as amended.

Irritating to eyes and skin.

#### **Label elements**

Signal word Warning

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statement(s)

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard symbol: none

R-phrases: R36/38 Irritating to eyes and skin.

S-phrases: S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### Section 4: First-Aid Measures

**Exposure to eye:** Get medical attention immediately. Immediately flush eyes with copious amounts of water for at least 15 minutes.

**Exposure to skin:** Get medical attention immediately. Immediately wash skin with soap and copious amounts of water.

**After Inhalation:** Get medical attention immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**After swallowing:** Get medical attention immediately. Wash out mouth with water provided person is conscious.

#### **Section 5: Fire Fighting Measures**

**Extinguishing Agents:** Water spray, Carbon dioxide, dry chemical powder or appropriate foam

**Special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

**Unusual fire and explosions hazards:** Not known

#### **Section 6: Accidental Release Measures**

**Human Safety Precautions:** Wear respirator, chemical safety goggles, rubber boots and rubber gloves.

**Cleaning/Collecting Measures:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

#### **Section 7: Handling and Storage**

**User Exposure:** Do not breathe the dust. Prevent contact with eyes, skin and clothing. Avoid prolonged and repeated exposure. **Storage:** Keep tightly closed and store at -20 degree C.

#### **Section 8: Exposure Controls/Personal Protection**

**Personal protective equipment:** Chemical safety goggles, compatible chemical-resistant gloves and respirator, NIOSH/MSHA-approved respirator, and safety shower and eye bath.

**General Protective and Hygiene Measures:** Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Irritant, Keep tightly closed. Store it in a cool dry place.

#### **Section 9: Physical and Chemical Properties**

**Form:** liquid

**Color:** Clear

**Odor:** None

#### **Section 10: Stability and Reactivity**

**Stability:** Stable

**Materials to avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide.

**Hazardous Polymerization:** will not occur.

#### **Section 11: Toxicological Information**

**Primary Irritant Effects:** Harmful if inhaled or ingested.

**On the skin:** Material is irritating to skin and mucous membranes.

**On the eye:** Causes eye irritation.

**Sensitization:** No sensitizing effects known.

**Section 12: Ecological Information**

Data not yet available

**Section 13: Disposal Considerations**

**Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers. Observe all federal, state and local environmental regulations.

**Section 14: Transport Information**

**ADR/RID:** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

**Section 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Section 16: Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. G-Biosciences shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice/packing slip for additional terms and conditions of sale.

*G-Biosciences/Genotech St. Louis, MO, USA*

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**Material Safety Data Sheet**

**Section 1: Chemical Identification**

**Name:** EDTA, 0.5M [100X]

**Catalog #:** a component of product Cat # 786-108 & 786-437 indicated above.

**Section 2: Composition/Information on Ingredients**

Ethylenediaminetetra acetic acid (EDTA)- disodium dihydrate , CAS # **6381-92-6**

**Section 3: Hazards Identification**

**Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

This substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Section 4: First-Aid Measures**

**After eye contact:** Immediately flush eyes with copious amounts of water for at least 15 minutes.

**After skin contact:** Immediately wash skin with soap and copious amounts of water.

**After Inhalation:** None needed for non-volatile items. For items emitting vapor and dust particles: Remove to fresh air. If not breathing give, artificial respiration. If breathing is difficult, give oxygen.

**After swallowing:** Wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

#### **Section 5: Fire Fighting Measures**

**Extinguishing Agents:** Water spray, Carbon dioxide, dry chemical powder or appropriate foam.

**Special fire fighting procedures:** None needed

**Unusual fire and explosions hazards:** Not known

#### **Section 6: Accidental Release Measures**

**Human Safety Precautions:** Chemical safety goggles, rubber boots and rubber gloves.

**Cleaning/Collecting Measures:** Sweep up, place in a bag and hold for waste disposal.

#### **Section 7: Handling and Storage**

Refer to section 8.

#### **Section 8: Exposure Controls/Personal Protection**

##### **Personal protective equipment:**

Chemical safety goggles, compatible chemical-respirator, NIOSH/MSHA-approved respirator, and safety shower and eye bath.

##### **General Protective and Hygiene Measures:**

Mechanical exhaust required. None needed

Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Irritant. Keep tightly closed. Store in a cool dry place.

#### **Section 9: Physical and Chemical Properties**

**Form:** liquid

**Color:** Clear

**Odor:** None

#### **Section 10: Stability and Reactivity**

**Thermal Decomposition/Conditions to be Avoided:** No decomposition if used according to specifications.

**Dangerous Reactions:** No dangerous reactions known.

**Dangerous Products of Decomposition:** No known dangerous decomposition products.

**Section 11: Toxicological Information**

**Primary Irritant Effects:** Harmful if inhaled or ingested.

**On the skin:** Material is irritating to skin and mucous membranes.

**On the eye:** Causes eye irritation.

**Sensitization:** No sensitizing effects known.

**Section 12: Ecological Information**

Data not yet available

**Section 13: Disposal Considerations**

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers.

Observe all federal, state and local environmental regulations.

**Section 14: Transport Information**

**ADR/RID:** Not dangerous goods

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