G-Biosciences/Genotech: St. Louis, MO, USA; www.GBiosciences.com, email: technical@GBiosciences.com

Product: Blue Dextran Loading Dye **Catalog #**: 786-556, 786-557 and 786-574 [LU 4.09.10/JK-IA]

Components	**Catalog#**	**Quantity**
Blue Dextran Loading Dye	786-556	1x1.5ml
Blue Dextran Loading Dye	786-557	3x1.5ml
Blue Dextran Loading Dye	786-574	10ml

Material Safety Data Sheet

Section 1: **Chemical Identification**

Name: Blue Dextran Loading Dye

Catalog #: a component of product Cat # 786-556,786-557 and 786- 574 as indicated above.

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

Contains: Formamide [CAS# 75-12-7] <80%, EDTA [CAS# 60-00-4] <20% and Blue Dextran [CAS# 75-12-7] <1%

Section 3: Hazards Identification Label precautionary statements. Toxic. May cause harm to the unborn child. Irritating to respiratory system and skin. Risk of serious damage to eyes.

Section 4: First-Aid Measures

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

After skin contact: Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

After Inhalation: 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 immediately.

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 skin and eyes.

Unusual fire and explosions hazards: Emits toxic fumes under fire conditions.

Section 6: **Accidental Release Measures**

Human Safety Precautions: Evacuate area. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Wear disposable coveralls and discard them after use.

Cleaning/Collecting Measures: Cover with dry lime or soda ash, pick up, keep in a closed container and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

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. Do not vapors.

Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid prolonged or repeated exposure. Keep tightly closed. Store in cool dry place.

Section 9: **Physical and Chemical Properties**

Form: Liquid

Color: None

Odor: None

Section 10: **Stability and Reactivity**

Thermal Decomposition/Conditions to be avoided: Avoid moisture, acids, bases and oxidizing agents.

Dangerous Reactions: None known.

Dangerous Products of Decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides.

Section 11: **Toxicological Information**

On the skin: Readily absorbed through skin. May be harmful if absorbed through the skin. Causes skin irritation.

On the eye: Causes severe eye irritation.

Inhalation: May be harmful if inhaled. Vapor or mist is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Section 12: **Ecological Information**

Data not yet available

Section 13: **Disposal Considerations**

Recommendation:

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

Section 14: **Transport Information** Not dangerous goods. Safe for all transport.

Section 15: **Regulatory information**

Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

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. Geno Technology shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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