

## 1. IDENTIFICATION

<b>Product Identifier</b>	
<b>Product Name</b>	Lyophilized Microorganisms
<b>Other means of identification</b>	
<b>SDS #</b>	GB-004 S
<b>Product Code</b>	URI-KIT
<b>Synonyms</b>	Diagnostic Specimens (Lyophilized microorganism preparations)
<b>UN/ID No</b>	UN3373
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended Use</b>	For laboratory use.
<b>Details of the supplier of the safety data sheet</b>	
<b>Manufacturer Address</b>	Gibson Bioscience 1040 Manchester Street Lexington, KY 40508

<b>Emergency Telephone Number</b>	
<b>Company Phone Number</b>	Phone: (800) 477-4763 Fax: (859) 253-1476
<b>Emergency Telephone (24 hr)</b>	INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This material presents a biohazard and risk of infection.

<b>Appearance</b> According to product specification	
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<b>Physical State</b> Dry material Pellet containing dry material, Liquid	
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<b>Odor</b> Odorless	
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<b>Classification</b>	
Each lyophilized pellet contains a pure microorganism population. The microorganisms are classified as either Risk Group 1 or Risk Group 2 by the World Health Organization (WHO). These microorganisms may cause human infection, may pose a hazard to the laboratory personnel, but are unlikely to spread in the community. Exposure to these microorganisms in the laboratory rarely causes infection. Effective prevention and treatment is readily available.	

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Synonyms</b>	Diagnostic Specimens (Lyophilized microorganism preparations)
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<b>Chemical Nature</b>	Each lyophilized pellet contains a pure microorganism population. The microorganisms are classified as either Risk Group 1 or Risk Group 2 by the World Health Organization (WHO)
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**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**	
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#### 4. FIRST-AID MEASURES

##### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	If skin contact occurs, immediately wash with an appropriate biocide solution.
<b>Inhalation</b>	Remove to fresh air. Seek medical advice.
<b>Ingestion</b>	Call a physician or poison control center immediately.

##### Most important symptoms and effects

<b>Symptoms</b>	Not determined.
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##### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

<b>Unsuitable Extinguishing Media</b>	Not determined.
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##### Specific Hazards Arising from the Chemical

Not applicable.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Immediately notify nearby personnel of the incident.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Decontaminate the spill by flooding and soaking the spilled material with a suitable disinfectant. Allow sufficient time for the biocide activity of the disinfectant. Clean the area and material using disposable towels. Materials used in cleanup should be treated as biohazard material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Ensure adequate microbiological equipment and facilities to receive, process, maintain, store, and dispose of biohazard material. Proper techniques must be employed to avoid exposure and contact with microorganism growth. The microbiology laboratory personnel using these devices must be trained, experienced, and demonstrate proficiency in processing, maintaining, storing, and disposing of biohazard material. It is recommended that all microbial cultures be handled by qualified microbiologists and to use appropriate safety procedures and precautions when handling these specimens. Caution should be used to prevent the generation of aerosols during the preparation of suspensions.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store devices in their original sealed packaging according to temperature specifications on labeling.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** No exposure limits noted for ingredient(s)

**Appropriate engineering controls**

**Engineering Controls** Biological Safety Cabinet.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses.

**Skin and Body Protection** Wear suitable gloves. Protective work clothing (lab coat).

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

<b>General Hygiene Considerations</b>	Keep away from food, drink and animal feeding stuffs. Immediately remove all soiled and contaminated clothing. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Dry material, Liquid Pellet containing dry material
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<b>Appearance</b>	According to product specification
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	<b>Odor</b>	Odorless
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<b>Color</b>	According to product specification
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	<b>Odor Threshold</b>	Not determined
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<u>Property</u>	<u>Values</u>

	<b>Remarks • Method</b>
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<b>pH</b>	Not determined
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<b>Melting Point/Freezing Point</b>	Not determined
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<b>Boiling Point/Boiling Range</b>	Not determined
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<b>Flash Point</b>	Not determined
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<b>Evaporation Rate</b>	Not determined
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<b>Flammability (Solid, Gas)</b>	Not determined
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<b>Upper Flammability Limits</b>	Not determined
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<b>Lower Flammability Limit</b>	Not determined
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<b>Vapor Pressure</b>	Not determined
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<b>Vapor Density</b>	Not determined
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<b>Specific Gravity</b>	Not determined
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<b>Water Solubility</b>	Soluble in water
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<b>Solubility in other solvents</b>	Not determined
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<b>Partition Coefficient</b>	Not determined
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<b>Auto-ignition Temperature</b>	Product is not self-igniting
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<b>Decomposition Temperature</b>	Not determined
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<b>Kinematic Viscosity</b>	Not determined
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<b>Dynamic Viscosity</b>	Not determined
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<b>Explosive Properties</b>	Not an explosive
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
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<b>Chemical Stability</b>	Stable under recommended storage conditions.
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<b>Possibility of Hazardous Reactions</b>	None under normal processing.
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<b>Conditions to Avoid</b>	Keep out of reach of children.
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<b>Incompatible Materials</b>	None known based on information supplied.
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<b>Hazardous Decomposition Products</b>	No decomposition if used according to specifications.
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## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	thrombotic
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<b>Eye Contact</b>	Avoid contact with eyes.
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<b>Skin Contact</b>	Not expected to be a skin irritant during prescribed use.
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<b>Inhalation</b>	Avoid the production of aerosols.
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<b>Ingestion</b>	Avoid hand to mouth contact.
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### Component Information

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	Carcinogenic potential is unknown.
<b>Numerical measures of toxicity</b> Not determined	
<b>12. ECOLOGICAL INFORMATION</b>	
<b>Ecotoxicity</b>	The ecological effects have not been thoroughly investigated, but currently none have been identified.
<b>Persistence/Degradability</b>	Not determined.
<b>Bioaccumulation</b>	Not determined.
<b>Mobility</b>	Not determined
<b>Other Adverse Effects</b>	Not determined
<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>Waste Treatment Methods</b>	
<b>Disposal of Wastes</b>	The Liquid Vials and lyophilized microorganisms and subsequent growth of these microorganisms on culture media are considered to be biohazard material. Agencies and statutes regulate the disposal of all biohazard materials. Each laboratory must be aware of and comply with the proper disposal of biohazard materials.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>14. TRANSPORT INFORMATION</b>	
<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	
<b>UN/ID No</b>	UN3373
<b>Proper Shipping Name</b>	Biological substance, Category B
<b>Hazard Class</b>	6.2
<b>IATA</b>	
<b>UN/ID No</b>	UN3373
<b>Proper Shipping Name</b>	Biological substance, Category B
<b>Hazard Class</b>	6.2
<b>IMDG</b>	
<b>UN/ID No</b>	UN3373
<b>Proper Shipping Name</b>	Biological substance, Category B
<b>Hazard Class</b>	6.2
<b>15. REGULATORY INFORMATION</b>	



<b>International Inventories</b>	
Not determined	
<b>Legend:</b>	
	<i>TSCA - United States Toxic Substances Control Act Section 8(b) Inventory</i>
	<i>DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List</i>
	<i>EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances</i>
	<i>ENCS - Japan Existing and New Chemical Substances</i>
	<i>IECSC - China Inventory of Existing Chemical Substances</i>
	<i>KECL - Korean Existing and Evaluated Chemical Substances</i>
	<i>PICCS - Philippines Inventory of Chemicals and Chemical Substances</i>
	<i>AICS - Australian Inventory of Chemical Substances</i>

**US Federal Regulations**

**SARA 313**  
Not determined

**US State Regulations**

**California Proposition 65**  
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**  
Not determined

**16. OTHER INFORMATION**

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**NFPA**

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Not determined						

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<b>Special Hazards</b>						
Not determined						

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<b>HMIS</b>	
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	<b>Health Hazards</b> Not determined	
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	<b>Flammability</b> Not determined	
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	<b>Physical Hazards</b> Not determined	
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	<b>Personal Protection</b> Not determined	
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<b>Issue Date:</b>	06-July-2017
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<b>Revision Date:</b>	06-July-2017
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<b>Revision Note:</b>	New SDS
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<p><b><u>Disclaimer</u></b> The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.</p>
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	<b>End of Safety Data Sheet</b>	
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