

Safety Data Sheet (SDS)

<i>Revision Number: 1.0</i>	<i>Last updated: January 2017</i>
<u>1. Product and Company Identification</u>	
<i>Product Name:</i>	AnaTag™ Europium Protein Labeling Kit
<i>Manufacturer/Supplier:</i>	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com
<i>Catalog Number</i>	AS-72246
<i>Unit Size</i>	1 kit
<u>2. Hazards Identification</u>	
<i>Emergency Overview:</i>	
<i>GHS Hazard Classification:</i>	
<i>GHS Physical Hazards :</i>	None
<i>GHS Health and Environmental Hazards</i>	
Component A:	Not Applicable
Component B and D:	Irritant to eyes
Component C and E:	Irritants to eyes and skin
Component F and G:	Not Applicable
<i>GHS Signal Words:</i>	None
<i>GHS Hazard Statements:</i>	
Component C and E:	H303 May be harmful if swallowed.
Other Components:	None
<i>GHS Precautionary Statements:</i>	None
<i>HMIS Classification:</i>	
	Health hazard: 0
	Flammability: 0
	Physical hazards: 0
<i>NFPA Rating</i>	Health hazard: 0
	Fire: 0
	Reactivity Hazard: 0

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34801 Campus Drive, Fremont, CA 94555

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3. Composition / Information on Ingredients*Ingredients/Components:*

<i>Chemical Name:</i>	<i>Description</i>	<i>CAS Number:</i>
Component A	Amino-reactive dye	N/A
Component B	Reaction buffer	N/A
Component C	Solvent buffer	N/A
Component D	Polyacrylamide-co-methylene-bis-acrylamide	25034-58-6
Component E	Elution buffer	NA
Component F and G	Wash tube and Collection tube	NA

4. First Aid Measures**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Component A,F and G: Not Applicable

Component B

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Skin: Wash off with soap and plenty of water.

Eyes: Flush eyes with water as a precaution.

Component C and E

Inhalation: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin: Rinse with plenty of water. If symptoms arise, call a physician.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Component D

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Eyes: Flush eyes with water as a precaution.

5. Fire Fighting Measures**AnaSpec Inc.**

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<i>Extinguishing media:</i>	<p>Component A, F and G: Not Applicable</p> <p>Component B: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p>Component C and E: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.</p> <p>Component D: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam</p>
<i>Special firefighting procedures:</i>	<p>Component A,F and G : Not Applicable</p> <p>Component B: Wear self-contained breathing apparatus for firefighting if necessary.</p> <p>Component C and E: Wear self-contained breathing apparatus and protective suit.</p> <p>Component D: No special measures required.</p>
<i>Unusual fire and explosions hazards:</i>	None
<u>6. Accidental Release Measures</u>	
<i>Containment and spill response</i>	<p>Component A , F and G: Not Applicable</p> <p>Other Components: Soak up with inert absorbent material</p>
<i>PPE</i>	Use personal protective equipment
<u>7. Handling and Storage</u>	
<p>Component A: Keep in dry place.</p> <p>Component B, C,D and E:</p> <p><i>Handling:</i> Avoid contact with skin, eyes and clothing. Wear personal protective equipment.</p> <p><i>Storage:</i> Keep in a dry, cool and well-ventilated place.</p>	
<u>8. Exposure Controls / Personal Protection</u>	
<i>Engineering controls</i>	Facilities storing and using this material should be equipped with a safety shower and eyewash station.
<i>PPE</i>	<p>The usual precautionary measures of handling chemicals should be followed</p> <p><i>Hands:</i> Protective gloves</p> <p><i>Eyes:</i> Safety glasses.</p>
<u>9. Physical and Chemical Properties</u>	
<i>Physical State</i>	<p>Component A:Solid</p> <p>Component B,C, D and E-Liquid</p>
<i>Odo</i>	Not determined
<i>Solubility in Water</i>	Soluble
<i>Specific Gravity</i>	Not determined
<i>pH</i>	<p>Component B -9</p> <p>Component C-8</p> <p>Component E -7.3</p>
<i>Boiling Point</i>	Not determined
<i>Melting Point</i>	Not determined
<i>Flash Point</i>	Not determined

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<i>Vapor Pressure:</i>	Not determined
<i>Vapor Density:</i>	Not determined
<u>10. Stability and Reactivity</u>	
<i>Thermal Decomposition</i>	Not applicable
<i>Dangerous Products of Decomposition</i>	Not Applicable
<i>Dangerous Reactions</i>	Not Applicable
<u>11. Toxicological Information</u>	
<i>RTECS Number</i>	Not Applicable
<i>Toxicity</i>	No data available
<i>Health Hazards</i>	No data available
<i>Potential Hazards</i>	No data available
<i>Carcinogenicity:</i>	No data available
<i>OSHA Permissible Exposure Limit(PEL) Data</i>	No data available
<i>ACGIH Threshold Limit Values (TLV)</i>	No data available
<u>12. Ecological Information</u>	
Component C, D and E: Water hazard class 1 (German Regulation): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.	
<u>13. Disposal Considerations</u>	
Component D: Hand over to hazardous waste disposers	
<u>14. Transport Information:</u> IATA Exempted quantities labeling	
<i>UN Number</i>	N/A
<i>Hazard Class</i>	N/A
<i>Packing Group</i>	N/A
<i>Proper Shipping Name (DOT)</i>	N/A
<u>15. Regulatory information</u>	
<i>California Proposition 65:</i>	None
<i>US TSCA (Toxic Substance Control Act):</i>	Not listed
<i>US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):</i>	N/A

<i>US SARA Title III:</i>	Component A, B, C, D, E,F,G SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: N/A
<i>US Clean Air Act:</i>	Component A, B, C, D, E,F,G Listed under Hazardous Air Pollutants: Not listed Listed under Class 1 Ozone Depletors: Not listed Listed under Class 2 Ozone Depletors: Not listed
<i>US Clean Water Act:</i>	Components A, B, C, D,E,F and G Listed under "Hazardous Substances": Not listed Listed under "Priority Pollutants": Not listed Listed under "Toxic Pollutants": Not listed
<i>US States: Right-to-Know:</i> Listed in none of the States:	
<i>Other Country Regulations:</i> Not Determined	

16. Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.

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