

# Material Safety Data Sheet (MSDS)

<i>Revision Number:</i> <b>1.0</b>	<i>Last updated:</i> <b>01/05/2012</b>
<b><u>1) Product and Company Identification</u></b>	
<i>Product Name:</i>	3T3, HEK293, Hela, HL-60, K562, Lovo, MCF-7, Raji, STO Whole Cell Lysates
<i>Manufacturer/Supplier:</i>	AnaSpec, Inc. <a href="http://www.anspec.com">www.anspec.com</a> 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: <a href="mailto:service@anspec.com">service@anspec.com</a>
<i>Catalog Number</i>	Applies to the following products catalog numbers: 29515, 29520, 29517, 53348, 29501, 29516, 29519, 55362, 29522
<i>Unit Size</i>	200 µg
<b><u>2) Hazards Identification</u></b>	
<i>Emergency Overview:</i> Target Organs: Kidney, central nervous system	
<i>GHS Hazard Classification:</i> <i>GHS Physical Hazards:</i>	
	None
<i>GHS Health and Environmental Hazards:</i>	
	H316 Causes mild skin irritation H320 Causes mild eye irritation H335 May cause respiratory irritation
<i>GHS Signal Words:</i>	
	Warning
<i>GHS Hazard Statements:</i>	
	None
<i>GHS Precautionary Statements:</i>	
	P280: Wear eye protection P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<i>HMIS Classification:</i>	
	<i>Health Hazard:</i> 1 <i>Chronic Health Hazard:</i> 0 <i>Flammability:</i> 0 <i>Physical Hazards:</i> 0
<i>NFPA Rating:</i>	
	<i>Health Hazard:</i> 1 <i>Fire:</i> 0 <i>Reactivity Hazard:</i> 0

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34801 Campus Drive, Fremont, CA 94555

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<b><u>3) Composition / Information on Ingredients</u></b>		
<i>Ingredients/Components:</i>		
<i>Chemical Name:</i>	<i>CAS Number:</i>	<i>Proportion (%)</i>
EDTA	60-00-4	0.08%
PMSF	329-98-6	-
Aprotinin	9087-70-1	-
Pepstatin-A	26305-03-3	-
Leupeptin	103476-89-7	-
Sodium orthovanadate (Na <sub>3</sub> VO <sub>4</sub> )	13721-39-6	-
Sodium fluoride (NaF)	7681-49-4	0.2%
Glycerol	56-81-5	0.02%
DTT	3483-12-3	-
<b><u>4) First Aid Measures</u></b>		
<i>Inhalation:</i>	If inhaled, move individual into fresh air. If not breathing, provide artificial respiration. If breathing is difficult, provide oxygen. Consult a physician.	
<i>Ingestion:</i>	If swallowed, wash out mouth with water provided person is conscious. Consult a physician immediately.	
<i>Skin:</i>	In case of skin contact, immediately wash skin with soap and large amounts of water. Never give anything by mouth to an unconscious person. Consult a physician.	
<i>Eyes:</i>	In case of contact with eyes, immediately flush eyes with large amounts of water for at least 15 minutes. Consult a physician.	
<b><u>5) Firefighting Measures</u></b>		
<i>Extinguishing media:</i>	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.	
<i>Special firefighting procedures:</i>	Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.	
<i>Unusual fire and explosions hazards:</i>	None	
<b><u>6) Accidental Release Measures</u></b>		
Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Avoid dust formation. Do not let product enter drains.		
<b><u>7) Handling and Storage</u></b>		
Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Recommended storage temperature: -80°C		

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<b>8) Exposure Controls / Personal Protection</b>	
Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.	
<b>9) Physical and Chemical Properties</b>	
<i>Physical State</i>	Liquid
<i>Odor</i>	Not determined
<i>Solubility</i>	Not determined
<i>pH</i>	Not determined
<i>Boiling Point</i>	Not determined
<i>Melting Point</i>	Not determined
<i>Flash Point</i>	Not determined
<b>10) Stability and Reactivity</b>	
<i>Stability</i>	Stable under recommended storage conditions
<i>Dangerous Products of Decomposition</i>	Nature of decomposition products not known
<i>Dangerous Reactions</i>	No dangerous reactions identified
<b>11) Toxicological Information</b>	
<i>RTECS Number</i>	Not listed
<i>Toxicity</i>	No data available
<i>Health Hazards</i>	May cause skin irritation. May be harmful if absorbed through skin. May cause eye irritation. May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if swallowed.
<i>Potential Hazards</i>	Not identified
<i>Carcinogenicity</i>	Not listed by NTP, IARC or OSHA.
<i>OSHA Permissible Exposure Limit (PEL) Data</i>	Not identified
<i>ACGIH Threshold Limit Values (TLV)</i>	Not identified
<b>12) Ecological Information</b>	
Do not allow product to reach ground water, watercourse, or sewage system.	
<b>13) Disposal Considerations</b>	
Consult local, state or national regulations for proper disposal.	
<b>14) Transport Information</b>	
This substance is considered to be non-hazardous for air, sea, and road transport.	
<b>15) Regulatory Information</b>	
<p>US TSCA (Toxic Substance Control Act): N/A  US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): N/A  US SARA Title III (Superfund Amendments and Reauthorization Act): N/A  US Clean Air Act:  Listed under Hazardous Air Pollutants: N/A  Listed under Class 1 Ozone Depletors: N/A  Listed under Class 2 Ozone Depletors: N/A  US Clean Water Act:</p>	

Listed under "Hazardous Substances": N/A

Listed under "Priority Pollutants": N/A

Listed under "Toxic Pollutants": N/A

*US States:*

*Right-to-Know:*

*Listed in the following States:* N/A

*California Proposition 65:* This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

*European/International Regulations:*

*EC EINECS (European Inventory of Existing Commercial Chemical Substances) Number:* N/A

*WGK (Water Danger / Protection):* N/A

*Canada – DSL/NDSL:* N/A

*Canada – WHMIS classification:* N/A

*Canada – Canadian Ingredient Disclosure List:* N/A

*Other Country Regulations:* N/A

**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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