

Material Safety Data Sheet for Antigens

1. Product Identification														
<p>Product: Aza-SAM, PLL-aza-SAM, Bio-SAM, Bio-6C-SAM, Bio-6C-aza-SAM, Bio-12C-aza-SAM, HRP-aza-SAM, SAH Na, BSA-SAH, Bio-SAH, Bio-6C-SAH, Dig-6C-SAH, Bio-12C-SAH, BSA-HCY, HMT(Homocysteine S-methyltransferase), MAT(Methionine Adenosyltransferase)</p> <p>Catalog #: AST00201, ACT00201, ACT00202, ACT00203, ACT00205, ACT00206, ACT00207, AST00301, ACT00301, ACT00302, ACT00303, ACT00304, ACT00305, ACT00501, AST00601, AST00401</p> <p>Manufacturer: Arthus Biosystems, LLC Address: 2600 Hilltop Dr. Richmond, CA 94806 Web: www.arthusbio.com Email: info@arthusbio.com Phone: +1 (877) 366 3888 Fax: +1 (844) 448 7410 Date Prepared: March 11, 2015</p>														
2. Hazards Identification														
<p>No proteins from E. Coli expression or any other expression systems were used. The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling the following products. Safety procedures should include wearing OSHA approved safety glasses, gloves, and protective clothing. Direct physical contact with all components in this product should be avoided.</p> <p><u>Known Hazardous Components CAS Number Amount</u></p> <p>ProClin 300 Sigma-Aldrich Cat# 48912-U 0.1%</p>														
3. Ingredient Information														
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Components</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Amount</u></th> </tr> </thead> <tbody> <tr> <td>SAH Na, Aza-SAM (synthetic compound)</td> <td>tiny, see product data sheet</td> </tr> <tr> <td>SAM, Biotin, Digoxigenin (commercial)</td> <td>tiny, see product data sheet</td> </tr> <tr> <td>PLL, HRP (commercial)</td> <td>tiny, see product data sheet</td> </tr> <tr> <td>PBS (NaCl 150mM)</td> <td>10mM pH 7.4</td> </tr> <tr> <td>ProClin 300</td> <td>0.1%</td> </tr> <tr> <td>BSA</td> <td>10mg/ml</td> </tr> </tbody> </table>	<u>Components</u>	<u>Amount</u>	SAH Na, Aza-SAM (synthetic compound)	tiny, see product data sheet	SAM, Biotin, Digoxigenin (commercial)	tiny, see product data sheet	PLL, HRP (commercial)	tiny, see product data sheet	PBS (NaCl 150mM)	10mM pH 7.4	ProClin 300	0.1%	BSA	10mg/ml
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4. First Aid Procedures														

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<p>Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.</p> <p>Skin Contact Flush with plenty of water and wash with soap and water immediately for at least 20 minutes. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort starts to develop.</p> <p>Inhalation Remove to fresh air. Give oxygen when breathing becomes difficult. In case breathing stops, administer artificial respiration. Call for medical help.</p>
5. Fire Fighting Measures
<p>None of the components of this kit pose a significant risk in case of fire. Fire fighting media should be selected to suit other materials involved in the fire. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.</p>
6. Accidental Release Measures
<p>Ventilate area. Shut off all sources of ignition. Wear appropriate protective gear. Wipe or pick-up materials, place in sealed container, dispose of in accordance with federal, state, and local regulations.</p> <p>Wash spill site thoroughly with soap and water after material pick-up is complete.</p>
7. Handling and Storage
<p>Refrigerated or -20°C for long term storage. Shipping with ice packs. Avoid repeated freeze-thaw cycles. HRP-conjugated antibodies should be stored in darkness.</p>
8. Exposure Controls/Personal Protection
<p>Refer to Sections 6 and 7.</p>
9. Physical and Chemical Properties

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<p>Physical State: Liquid except for the coated microwells. Color: Clear for most liquid reagents. Odor: None detectable. pH: 6.8 – 8 for all components Boiling Point: Not applicable. Melting Point: Not applicable. Flash Point: Not applicable. Flammability: Not Flammable. Auto flammability: Will not occur. Vapor Pressure: Not applicable. Water Solubility: 100% soluble.</p>
10. Stability and Reactivity
<p>This product is stable until the expiration date indicated on the kit label under the specified storage conditions. There are no known reactivities with these components. Refer to the kit insert for further information.</p>
11. Toxicological Information
<p>None available.</p>
12. Ecological Information
<p>None available.</p>
13. Disposal Considerations
<p>Disposal of Preparation Left: Dispose according to current regional and national rules. Contaminated Containers: Dispose of following current regulations.</p>
14. Transport Information
<p>Road / Railway Haulage ADR/RID: Not restricted. Sea Freight IMO (IMDG): Not restricted. Air Freight IATA (ICAO): Not restricted. UN Number: Not applicable.</p>
15. Regulatory Information
<p>Symbols of Danger: None.</p>
16. Other Information



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The above information is believed to be correct but does not purport to be all-inclusive and shall be used as a guide. Arthus Biosystems, LLC shall not be held liable for any damage resulting from handling or contact with the above product. The burden of safe use of these materials rests solely with the users.