



MSDS for the Protein A ELISA kit

1. Product and Company Identification

Product: Protein A Quantification ELISA kit
Catalogue No.: 03-96
Company Name: Immunsystem AB
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2. Hazards Identification

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 this product. 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.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Amount</u>
Tetramethylbenzidine (TMB)	64285-73-0	750 ppm
Sodium Azide (NaN ₃)	26628-22-8	0,02%
Hydrochloric acid (HCl)	7647-01-0	1 M

3. Composition/Information on Ingredients

<u>Kit Component</u>	<u>Amount</u>
Microtitre wells coated with chicken anti-SpA antibodies	8x12 strips
Wash tablets (PBS-Tween)	3 tablets
Tween 20	3 mL
Protein A reference 0,5 mg/ml	200 µL
2 M Tris Buffer	25 mL
Biotinylated chicken anti-Protein A (100X)	200 µL
HRP Conjugate (100X)	200 µL
Substrate Solution (TMB/ H ₂ O ₂)	25 mL
Stop Solution (HCl)	25 mL

4. First Aid Measures

Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.

Skin Contact Flush with copious amounts of water and wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.

Inhalation Remove to fresh air. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration. Call a physician.



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4. First Aid Measures (Continued)
<p>Eye Contact Flush with copious amounts of water for at least 15 minutes. Check for and remove contact lenses. Assure adequate flushing by separating the eyelids. Call a physician. If medical attention is required, provide product label and/or MSDS.</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>This kit should be stored as recommended on the product label. All components should be kept in tightly closed containers. Refer to the Storage section of the kit insert for further information. This kit should only be handled and used by qualified, trained professionals.</p>
8. Exposure Controls/Personal Protection
<p>Refer to Sections 6 and 7.</p>
9. Physical and Chemical Properties
<p>Physical State: Liquid except for the coated microwells. Color: Clear for all other liquid reagents. Odor: None detectable. pH: 5 – 10 for all components except Stop Solution at <3 (highly acidic) Boiling Point: Not applicable. Melting Point: Not applicable. Flash Point: Not applicable. Flammability: Not Flammable. Auto flammability: Will not occur. Vapor Pressure: Not applicable. Relative Density: 1-10 mg/ml Water Solubility: 100% soluble.</p>



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10. Stability and Reactivity
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.
11. Toxicological Information
None available.
12. Ecological Information
None available.
13. Disposal Considerations
Disposal of Preparation Left: Dispose according to current regional and national rules. Contaminated Containers: Dispose of following current regulations.
14. Transport Information
Road / Railway Haulage ADR/RID: Not restricted. Sea Freight IMO (IMDG): Not restricted. Air Freight IATA (ICAO): Not restricted. UN Number: Not applicable.
15. Regulatory Information
Symbols of Danger: None. "R" Phrases Indicating Specific Risks: R 35 – (for concentrated Hydrochloric Acid) Causes severe burns. "S" Phrases Indicating Caution: S 26 – (for concentrated Hydrochloric Acid) In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
16. Other Information
The above information is believed to be correct but does not purport to be all-inclusive and shall be used as a guide. Immunsystem IMS AB 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 user.