



1. Product and Company Identification								
Product: human LBP Quantification ELISA kit Catalogue No.: 044 Company Name: biometec GmbH Address: Walther-Rathenau-Str. 49a, 17489 Greifswald, Germany Webpage: www.biometec.de E-mail: witt@biometec.de Phone: +49 (0) 3834 515 620 Fax: +49 (0) 3834 515 622								
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.								
<table border="0"> <thead> <tr> <th>Known Hazardous Components</th> <th>CAS Number</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Tetramethylbenzidine</td> <td>54827-17-7</td> <td>0.036%</td> </tr> </tbody> </table>			Known Hazardous Components	CAS Number	Amount	Tetramethylbenzidine	54827-17-7	0.036%
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Tetramethylbenzidine	54827-17-7	0.036%						
3. Composition/Information on Ingredients								
1	Antibody Precoated ELISA modules	Contain no hazardous substances in concentrations to be declared Labelling not required (according to EU declaration 1999/45/EG) also						
Vial 2	Detecting antibody (POD-labelled monoclonal antibody to human LBP in protein stabilizer) "Ready for use": Buffer solution with carbohydrates, salt, bovine serum albumin, and stabilizer: Tris(hydroxymethyl)-aminomethan, 0.3%, R36/38, CAS 77-86-1 LD50 (oral, rat) 5900mg/ml 5-Bromo-5-Nitro-1,3-Dioxan 0.01%, CAS 30007-47-7, R19-34-41 LD50 (oral, rat) 455 mg/kg Quantitative toxicological data of final product preparation are not available	Contain no hazardous substances in concentrations to be declared Labelling not required (according to EU declaration 1999/45/EG) (see MSDS proteins above)						
Vial 3	human LBP-standard (lyophilized) Recombinant human LBP	Contain no hazardous substances in concentrations to be declared Labelling not required (according to EU declaration 1999/45/EG)						
Vial 4	human reference serum (lyophilized)	Contain no hazardous substances in concentrations to be declared Labelling not required (according to EU declaration 1999/45/EG)						
Vial 5	Phosphate buffered salt solution	Contain no hazardous substances in concentrations to be declared Labelling not required (according to EU declaration 1999/45/EG)						
Vial 6	Dilution Buffer contains carbohydrates, salt, bovine serum albumin,	Contain no hazardous substances in concentrations to be declared Labelling not required (according to EU declaration 1999/45/EG)						
Vial 7	Tween 20 LD50 rat 38.900 mg/kg	No hazardous in concentrations to be declared Labelling not required (according to EEC directive 99/45/EG and 67/548) see below						

Vial 8	Stopping solution "Ready for use" 0.25 molar (2.5ml/100ml) sulphuric acid, CAS 7664-93-9 LD50 rat: 2140mg/ml	No hazardous in concentrations to be declared Labelling not required (according to EEC directive 99/45/EG and 67/548) see below
Vial 9	Substrate solution" Ready to use" TMB 3',3',5,5'- Tetramethylbenzidin CAS 54827-17-7 0.036% R-20/21 22-36/37/38-40, Ethylendiamintetraacetat-di-sodium salt CAS 6381-82-6 0.093 % LD50 rat 2000mg/ml 5-Chlor-2-methyl-4-isothiazolin-3-on CAS 26172-55-4 0.00009% R23/24/25-34-43-50/53, LD50 rat 3350mg/ml 2-Methyl-4-isothiazolin-3-on CAS 2682-20-4 0.00003% R23/24/25-34-43-50/53 LD50 rat 550mg/ml Hydrogen peroxide CAS 7722-84-1 0.002% R34-8 LD50 rat 1232 mg/ml, rabbit 3000mg/ml	
4. First Aid Measures		
<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 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.</p> <p>Inhalation Remove to fresh air. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration. Call a physician.</p> <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		
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 fire-fighters wear protective gear and self-contained breathing apparatus to limit their exposure.		
6. Accidental Release Measures		
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. Wash spill site thoroughly with soap and water after material pick-up is complete.		
7. Handling and Storage		
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.		
8. Exposure Controls/Personal Protection		
Refer to Sections 6 and 7.		
9. Physical and Chemical Properties		
<p>Physical State: Lyophilized proteins (vial 3 and 4), Liquid (vial 2, 7, 8, 9), powder (vial 5, 6) except for the coated microwells (1).</p> <p>Color: Clear for all other liquid reagents.</p> <p>Odor: None detectable, substrate solution (vial 9): small yellow.</p> <p>pH: 5 – 10 for all components except Stop Solution at <3 (highly acidic), substrate solution (vial 9) pH 3.6-3.8</p> <p>Boiling Point: 100°C.</p> <p>Melting Point: Not applicable.</p> <p>Flash Point: Not applicable.</p>		

<p>Flammability: Not Flammable. Auto flammability: Will not occur. Vapour Pressure: Not applicable. Relative Density: 1-10 mg/ml Water Solubility: 100% soluble. Viscosity: not applicable</p>
<p>10. Stability and Reactivity</p>
<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>
<p>11. Toxicological Information</p>
<p>None available.</p>
<p>12. Ecological Information</p>
<p>None available.</p>
<p>13. Disposal Considerations</p>
<p>Contaminated Containers: Dispose of following current regulations.</p>
<p>14. Transport Information</p>
<p>Disposal of Preparation Left: Dispose according to current regional and national rules. Road / Railway Haulage ADR/RID: Not restricted. Sea Freight IMO (IMDG): Not restricted. Air Freight IATA (ICAO): Not restricted. UN Number: Not applicable.</p>
<p>15. Regulatory Information</p>
<p>Symbols of Danger: None. Labelling: Not required</p>
<p>16. Other Information</p>
<p>The above information is believed to be correct but does not purport to be all-inclusive and shall be used as a guide. Biometec GmbH 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.</p>