

## MATERIAL SAFETY DATA SHEET

In compliance with 91/155/EEC

1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
<b>PRODUCT NAME:</b>	<b>M30 - Apoptosense<sup>®</sup> ELISA</b>	
<b>PRODUCT NUMBER:</b>	<b>10010</b>	
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2. COMPOSITION/INFORMATION ON INGREDIENTS				
Component number	Component Name	Hazard	Classification	Concentration
1 <sup>1)</sup>	M30 Coated Microstrips	N/A	N/A	N/A
2 <sup>1)</sup>	M30 HRP Conjugate	Kathon CG <sup>2)</sup>	T; R23/24/25; R34, R4 3N; R50-53	0.05 %
3 <sup>1)</sup>	M30 Conjugate Dilution Buffer	Kathon CG <sup>2)</sup>	See component 2	0.15 %
4 <sup>1)</sup>	M30 Standards Standard A 0 U/L Standard B 75 U/L Standard C 150 U/L Standard D 250 U/L Standard E 500 U/L Standard F 750 U/L Standard G 1,000 U/L	Kathon CG <sup>2)</sup> Tartrazine <sup>3)</sup>	See component 2 Xn42/43	0.05 % 0.01%
5 <sup>1)</sup>	M30 Control Low M30 Control High	Kathon CG <sup>2)</sup> Tartrazine <sup>3)</sup>	See component 2 and 4	0.05 % 0.01%
6	TMB Substrate	3,3',5,5' Tetramethyl-benzidine	N/A	≤0.05 %
7	Stop Solution	Sulphuric acid <sup>4)</sup>	C, R35	5.5 % (1.0M)
8	Wash Solution	Kathon CG <sup>2)</sup>	See component 2	0.05 %
9	Sealing Tape	N/A	N/A	N/A

<sup>1)</sup> Components 1 - 5 contain material of animal origin.

<sup>2)</sup> Kathon CG: Hazardous components are 5-chloro-2 methyl-2H-isothiazol-3-on (EG-nr 247-500-7) and 2-methyl-2H - isothiazol-3 - on (EG-nr 220-239-6) as a mixture, CAS No 55965-84-9

<sup>3)</sup> Tartrazine: EG No 217- 699-5, CAS No 1934-21-0

<sup>4)</sup> Sulphuric acid: EG No 231- 639-5, CAS No 7664-93-9

3. HAZARDS IDENTIFICATION
<p><u>Kathon CG</u>: 0,06 % ≤ conc.&lt;0,25 %, Xi; R36/38-43. Irritating to eyes and skin. May cause sensitisation by skin contact.</p> <p><u>Material of animal origin</u>: Should be considered as potentially infectious.</p> <p><u>Sulphuric acid</u>: 5 % ≤ conc. &lt; 15 %, Xi; R36/38. Irritating to eyes and skin.</p> <p><u>3,3',5,5' Tetramethylbenzidine</u>: R36/37/38. Irritating to eyes, respiratory system and skin.</p> <p><u>Tartrazine</u>: Xn42/43. May cause sensitisation by inhalation and skin contact.</p>

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice if needed.
<b>Ingestion:</b>	Flush mouth with plenty of water (do not swallow). Drink large amounts of water. Never give anything to drink to an unconscious person. Seek medical advice if needed.
<b>Eye contact:</b>	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses if any. Seek medical advice if needed.
<b>Skin contact:</b>	Avoid contact with skin. After contact with skin, take off immediately all contaminated clothing and wash skin immediately with soap and plenty water. Seek medical advice if skin becomes irritated.
<b>Others:</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguish media:</b>	Use fire extinguishing media appropriate for site conditions, preferably water spray, carbon dioxide, powder or foam.
<b>Special exposure hazards:</b>	No fire and explosion hazards. No generation of hazardous or toxic gases in dangerous quantities.
<b>Protective equipment:</b>	Self-contained breathing apparatus and protective clothing to avoid all contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	See section 7 and 8.
<b>Environmental precautions:</b>	Prevent soil and water pollution. Dispose of according to section 13.
<b>Methods for cleaning up:</b>	Absorb spills with absorbent material, dispose of according to section 13.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Ensure good ventilation. Direct physical contact with all components in this product should be avoided. Avoid ingestion.
<b>Storage:</b>	Store in well closed original container at 2-8°C. Do not Freeze. Protect from light (components 2 and 6).

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eye protection:</b>	Wear suitable eye/face protection.
<b>Hand protection:</b>	Wear suitable gloves.
<b>Skin protection:</b>	Wear suitable protective clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Component number	1	2	3	4 - 5	6	7	8	9
<b>Physical state</b>	Solid (Microstrips)	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Solid (tape)
<b>Colour</b>	Colourless	Colourless	Blue	Yellow	Colourless to light yellow	Colourless	Colourless	Colourless
<b>Odour</b>	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
<b>pH</b>	N/A	7.0 ± 1	7.0 ± 1	7.0 ± 1	3.55 ± 0.20	≤ 1	7.5 ± 0.5	N/A
<b>Solubility in water</b>	N/A	Soluble	Soluble	Soluble	Soluble	Soluble	Soluble	N/A

#### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Until expiry date stated on label if stored under specified conditions.
<b>Reactivity/Hazardous decomposition products:</b>	None.
<b>Conditions/materials to avoid:</b>	None.

#### 11. TOXICOLOGICAL INFORMATION

##### Kit component 6

**Chronic and acute effects:** Caustic effect on eyes and skin. Swallowing will lead to a strong caustic effect on the mouth and throat. Does not contain substances with a chronic effect (e.g. carcinogenicity, mutagenicity, toxicity to reproduction).

##### Kit components 2-5 and 8

**Chronic and acute effects:** The product is classified as a skin sensitiser due to the content of Kathon CG. Does not contain substances with a chronic effect (e.g. carcinogenicity, mutagenicity, toxicity to reproduction).

##### Kit component 7

**Chronic and acute effects:** Irritating to eyes and skin. Does not contain substances with a chronic effect (e.g. carcinogenicity, mutagenicity, toxicity to reproduction).

##### Kit components 1 and 9

**Chronic and acute effects:** Does not contain substances with a chronic effect (e.g. carcinogenicity, mutagenicity, toxicity to reproduction).

#### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Toxic to fish and other aquatic organisms.
<b>Biodegradability:</b>	No information available.
<b>Mobility:</b>	No information available.

#### 13. DISPOSAL CONSIDERATIONS

All kit components and tested specimen should be considered as biohazardous/infectious and should be disposed of in accordance with federal, state and local environmental regulations.

#### 14. TRANSPORT INFORMATION

No subject for transport regulations (RID/ADR, IMDG, IATA).

#### 15. REGULATORY INFORMATION AND CONSIDERATIONS

The product has been labelled in accordance with EU directive 91/155/EEG and KIFS 1998:8 (Sweden).

#### 16. OTHER INFORMATION

All material from animal origin has been collected from healthy animals.  
The information provided in this MSDS is to information and belief at the date of the publication the best of our knowledge.  
PEVIVA AB shall not be held liable for any damage resulting from handling or contact with this product.  
See Instruction for use for information and intended use of this product.  
N/A = Not applicable or no information.  
Revision 2007-02-02: Names and/or component numbers for M30 Diluent and Standards are changed in section 2, 9 and 11.  
Revision 2007-09-03: Component number in section 7 corrected. Patent Blue is not classified as dangerous according to EC Directives (included in component 3).