

MATERIAL SAFETY DATA SHEET

BlueWell

dsDNA IgG ELISA

1. Product identification

| | |
|---------------------|---|
| Product Name | BlueWell dsDNA IgG ELISA |
| Product Code | DNA02-96 |
| Intended Use | Detection of IgG anti-dsDNA antibodies in human serum |
| Company Name | D-TEK s.a Parc Initialis, rue René Descartes 19 BE-7000 Mons Belgium Tel. : +32 65 841 888 |

2. Composition, information on ingredients

• **Classification** : Mixture

| | |
|----------------------|--|
| Abbreviations | Substances |
| MIT | MethylIsoThiazolone (preservative) = mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one |
| BSA | Bovine Serum Albumin |
| TBS | Tris Buffer Saline |
| TMB | TetraMethylBenzidine |

| | |
|---------------------|---|
| Kit Contents | Composition |
| - Sample Buffer | TBS, Tween, BSA, MIT (15 ppm) |
| - Wash Buffer | TBS, Tween, MIT (15 ppm) |
| - Conjugate | Rabbit anti-human IgG/Peroxidase, MIT (15 ppm) |
| - Substrate | TMB, MIT (15 ppm) |
| - Stop Solution | Sulfuric Acid 2.5 % |
| - Negative Control | Diluted Human Serum, MIT (15 ppm) |
| - Positive Control | Diluted Human Serum, MIT (15 ppm) |
| - Standards | Diluted Human Serum, MIT (15 ppm) |
| - Microwell Strips | Plastic-coated purified dsDNA (natural, bovine) |

• **Hazardous substances**

| Name | CAS / EINECS | Concentration in mixture | R / S phrases (at concentration used) | Symbol(s) (at concentration used) |
|--|-----------------------|--------------------------|---------------------------------------|-----------------------------------|
| Sulfuric acid | 7664-93-9 / 231-639-5 | < 5 % | - (non hazardous) | - (non hazardous) |
| 5-Chloro-2-methyl-4-isothiazolin-3-one | 26172-55-4 | < 20 ppm (total) | - (non hazardous) | - (non hazardous) |
| 2-Methyl-4-isothiazolin-3-one | 2682-20-4 | | | |

Where an ingredient in the mixture is not listed as hazardous substance, this means that the substance has not been classified by the European Communities legislation on dangerous substances and/or no particular hazard information has been pointed out by the manufacturer of the substance. This does not mean that it has no hazardous properties: please refer to further recommendations and precautions listed in this document for maximum safety when using this product.

• **Other information**

Human material (serum) used in the preparation of reagents in this kit were tested and found negative for HIV-1, HIV-2 and Hepatitis C antibodies as well as for Hepatitis B antigens ; however, handle kit controls (as well as patients samples) as potentially hazardous material capable of transmitting viral diseases.

Bovine serum albumin (BSA) used in the preparation of reagents in this kit was derived from bovine blood collected at a USDA licensed establishment. The cattle received ante- and post-mortem health inspection at the abattoir by a U.S. Veterinary Services Inspector and they were apparently free from infectious and contagious diseases. All donor animals were sourced from the United States, a country in which Bovine Spongiform Encephalopathy is not known to exist.

3. Health hazard data / Risk identification

Liquid reagents contained in the kit may be irritating to eyes and skin

Main exposure risks and symptoms

| | |
|---------------------------|---|
| Contact with eyes: | Irritation. Tears |
| Contact with skin: | Irritation |
| Ingestion: | Although not considered particularly toxic or dangerous upon ingestion in conditions of normal use, avoid ingestion and contact with food |

4. Emergency and first aid procedures

| | |
|---------------------------|---|
| Contact with eyes: | Immediately flush eyes thoroughly with water. |
| Contact with skin: | Immediately wash skin with soap and large volumes of water. |
| Ingestion: | If swallowed, wash out mouth with water provided the person is conscious; seek medical advice (showing this document when possible). Never give anything by mouth to an unconscious person ; never try to make an unconscious person vomit. |

MATERIAL SAFETY DATA SHEET**5. Fire hazard data**

| | |
|--|--|
| Flammability | Liquid reagents contained in the kit are not combustible. Combustion of cardboard inserts inside the kit and the outer cardboard box of the kit may produce intense heat. |
| Extinguishing Media: | Water, carbon dioxide, dry chemical powder or polymer foam. Use extinguishing media appropriate to surrounding fire conditions. |
| Special Fire Fighting Procedures: | For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of the normal products of combustion or oxygen deficiency. |

6. Accidental release measures

| | |
|---|---|
| Precautionary measures: Environmental precautions: Released or spilled material: | Wear appropriate protective clothing (refer to & 8) Avoid flushing away in drainpipes. Sweep up and collect in appropriate container for waste disposal (refer to & 13); clean the floor and all other contaminated objects with water. |
|---|---|

7. Handling and storage

| | |
|---|--|
| Handling: | Wear appropriate protective clothing (refer to & 8) ; eliminate rapidly from eyes, skin and clothes ; wash hands and any other exposed zone with water and mild soap before eating, drinking, smoking and leaving workplace. |
| Storage: Additional information: | Store in a cool dry place refer to & 10 |

8. Exposure controls and personal protection

| | |
|---|---|
| Hands protection: Skin protection: Eyes protection: Ingestion: | Laboratory gloves Laboratory coat Safety goggles Do not eat, drink or smoke during use |
|---|---|

9. Physical and chemical properties

| | |
|---|---|
| Form: Colour: Smell: | Liquid reagents Blue (Wash), yellow (Diluent), red (Conjugate), uncoloured (Substrate), uncoloured (Stop), green (negative control), blue (positive control), scale from very light purple to very deep purple (calibrators) negligible |
|---|---|

10. Stability and reactivity data

| | |
|---|--|
| Dangerous reactions: Dangerous properties: Hazardous combustion or decomposition products: | Particular dangerous reactions not known Particular dangerous properties not known Nature of decomposition products from liquid reagents: not known. Combustion of cardboard inserts inside the kit and of the outer cardboard box of the kit does not liberate toxic gas (only carbon dioxide and water vapour). |
|---|--|

11. Toxicological information

Data not yet available

12. Ecological information

Data not yet available

13. Disposal considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations. Emptied bottles and vials may retain product residues : handle as if they were full.

14. Transport information

Non classified

15. Regulatory information

From the European Communities legislation on dangerous substances up to and including EC Council Directive 96/54/EC, this product is not hazardous and does not contain hazardous ingredients at concentrations used.

Other information

Contents and format of this Safety Data Sheet comply with the EC Council Directive 93/112/EC.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. D-TEK s.a. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last revised: 03/2011

