



## MATERIAL SAFETY DATA SHEET

### NUCLEOSOME IgG Elisa kit

#### 1. Product identification

**Product Name :** BlueWell Nucleosome IgG  
**Product code :** NU02-96  
**Intended Use :** Detection of IgG anti-Nucleosomes in human serum  
**Company name :** D-TEK s.a  
 Rue Brisselot 11  
 B-7000 Mons Belgium  
 Tel. : (32) – (0)65 -841888

#### 2. Composition, information on ingredients

• **Classification :** Mixture

**Abbreviations** - 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 (n=6)  | Diluted Human Serum, MIT (15 ppm)                     |
| - Microwell Strips | Plastic-coated purified Nucleosomes (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.

**5. Fire hazard data**

**Flammability :** Liquid reagents contained in the kit are not combustible.  
 Combustion of foam inserts inside 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 :** Wear appropriate protective clothing (refer to & 8)  
**Environmental precautions :** Avoid flushing away in drainpipes.  
**Released or spilled material :** 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 :** Store in a cool dry place  
**Additional information :** refer to & 10

**8. Exposure controls and personal protection**

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

**9. Physical and chemical properties**

**Form :** Liquid reagents  
**Color :** yellow (Diluent), blue (Wash), red or green (Conjugate), or uncolored (Substrate and Stop)  
**Smell :** negligible

**10. Stability and reactivity data**

**Dangerous reactions :** Particular dangerous reactions not known  
**Dangerous properties :** Particular dangerous properties not known

**Hazardous combustion or decomposition products :**

Nature of decomposition products from liquid reagents not known.  
 Combustion of foam inserts inside the kit does not liberate toxic gas (only carbon dioxide and water vapor).

**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 : March 2004