



MATERIAL SAFETY DATA SHEET

Intrinsic Factor Elisa kit

1. Product identification

Product Name : BlueWell Intrinsic Factor IgG
Product code : IF01-96
Intended Use : Detection of IgG anti-Intrinsic Factor 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)
- Cut-off Control	Diluted Human Serum, MIT (15 ppm)
- Microwell Strips	Plastic-coated purified Intrinsic Factor (natural, porcine)

• Hazardous substances.

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

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