

MATERIAL SAFETY DATA SHEET

MSDS LI10D-24, p. 1 of 2



Liver¹⁰ IgG

1. Product Identification

Product Name:	BlueDot Liver ¹⁰ IgG
Product Code:	LI10D-24
Intended Use:	Immunodot kit for the detection of IgG antibodies to M2/nPDC, M2/OGCD-E2, M2/BCOADC-E2, M2/PDC-E2, gp210, sp100, LKM1, LC1, SLA and F-actin antigens 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
AP	Alkaline Phosphatase
BCIP	Bromo-Chloro-Indolyl-Phosphate
BSA	Bovine Serum Albumin
MIT	MethylIsoThiazolones (preservative)
NBT	NitroBlueTetrazolium
TBS	Tris Buffer Saline

Kit Contents	Composition
Sample Buffer	TBS, Tween, BSA, MIT (15 ppm).
Wash Buffer	TBS, Tween, MIT (15 ppm).
Conjugate	Goat anti-human IgG/AP, MIT (15 ppm).
Substrate	NBT/BCIP, Sodium Azide (0.05 %)
Membrane Strips	Membrane-coated purified M2/nPDC (E1, E2, E3 subunits of Pyruvate Dehydrogenase Complex, (purified from bovine heart), M2/OGDC-E2 (Subunit E2 of OxoGlutarate Dehydrogenase Complex, recombinant, human), M2/BCOADC-E2 (Subunit E2 of Branched-Chain OxoAcid Dehydrogenase Complex, recombinant, human) and M2/PDC-E2 (Subunit E2 of Pyruvate Dehydrogenase Complex, recombinant, human), gp210 (Nuclear Membrane associated antigen, recombinant, human), sp100 (Multiple Nuclear Dots associated antigen, recombinant, human), LKM1 (synthetic, fusion tri-peptide), LC1 (Formiminotransferase Cyclodeaminase, recombinant, human), SLA (Soluble Liver Antigen, purified from rat liver) and F-actin (purified from rabbit skeletal muscle) antigens.

• **Hazardous Substances**

Name	CAS / EINECS	Concentration in mixture	R / S phrase (at concentration used)	Symbol(s) (at concentrations used)
Sodium Azide	26628-22-8/247-850-1	< 0.1 %	- (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. 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**

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 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.
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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
Colour:	colourless (Wash), yellow (Diluent), red (Conjugate), pale yellow (Substrate)
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 cardboard inserts inside the kit and of the outer cardboard box of the kit does <u>not</u> 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.