MATERIAL SAFETY DATA SHEET
Product Name: α-Fetoprotein ELISA (AFP)
Catalog #: KAPD1468

I. General Information

1.1	Product name	DIASOURCE α-Fetoprotein ELISA (AFP)
	Catalog #	KAPD1468
1.2	Company	DIAsource ImmunoAssays S.A. Rue de l'Industrie, 8 B-1400 Nivelles Belgium
1.3	In emergencies	Call your local emergency centre

II. Ingredients

Principal Hazardous Components	Percent	OSHA PEL	ACGIH TLV
Antibody Coated Wells: No hazardous components	N/A	N/A	N/A
Enzyme Conjugate Reagent: Proclin, 300	0.3 %		
Reference Standard Set: Heat inactivated Horse Serum (CAS#: N/A) Thimerosal (CAS#: 26628-22-8)	≈ 100 % 0.02 %	N/A 0.01 mg (Hg)/M^3 CL	N/A 0.1 mg (Hg)/M^3 CL
Color Reagent TMB Hydrogen peroxide (CAS#: 7722-84-1) 3.3'.5.5'-tetramethylbenzidine, TMB (CAS#: 54827-17-7) Dimethyl sulfoxide (CAS#: 67-68-5)	0.015 % 0.03 % < 5 %	1.4 mg/M^3 None established None established	1.4 mg/M^3 None established None established
Stop Solution: Sulfuric Acid (CAS# 7664-93-9)	5 %		

III. Physical Data

Boiling Point: Aqueous mixtures 100° C	Specific Gravity: (H2O = 1) Not applicable
Vapor Pressure (mm Hg.): Unknown	Percent Volatile by Volume (%): Unknown
Vapor Density (Air = 1) Unknown	Evaporation Rate: Unknown
Solubility in Water: Unknown	pH: Enzyme Conjugate Reagent = 7.6 Color Reagent TMB = 4.0 Stop Solution = 0.0
Appearance and Odor: Not applicable	

IV. Fire & Explosion Hazard Data

Color Reagent TMB:
DMSO is combustible

Using the reagents according to protocol should not incur a fire or explosion hazard.
In case of fire, use water, foam, carbon dioxide, or dry chemical, as suitable for the surrounding fire and materials.

V. Health Hazard Data

Threshold Limit Value - See Section II.

Symptoms of Exposure -
CORROSIVE: Stop Solution (Sulfuric acid), Enzyme Conjugate, Reference Standard (Proclin)
May be HIGHLY TOXIC: Reference Standards, Enzyme Conjugate Reagent (Thimerosal)
Possible MUTAGEN: Color Reagent TMB
Possible IRRITANT: Color Reagent TMB
Possible BIOHAZARD: Reference Standards (human serum)

In case of exposure to reagent solutions, we recommend following these emergency first-aid procedures:

1. Skin or Eye Contact: Wash with water for at least 15 minutes. Remove any contamined clothing.
2. Inhalation: Remove individual to fresh air. If breathing is difficult give oxygen and call a physician.
3. Ingestion: Rinse mouth with coplous amounts of water and call a physician.

VI. Reactivity Data

Standards contain sodium azide which can react with copper/lead plumbing to form explosive metal azides. Flush with excess water to avoid azide buildup when disposing in sink.

Color reagent TMB contains hydrogen peroxide which is an oxidizing agent and TMB which is an irritant, and DMSO which is combustible.

Conditions/Materials to avoid - None known.

VII. Environmental Protection Procedures

Spill Response - Wear laboratory coat, gloves and safety glasses. Use standard laboratory absorbent materials for cleanup.

Dispose of in accordance with Local, State and Federal Regulations.

VIII. Special Protection Information

Eye Protection - Recommended.
Skin Protection - Recommended.
Respiratory equipment - Not applicable.

Good laboratory practices should be followed when handling all reagents.

IX. Other Precautions

Hygienic Practices in Handling & Storage. Handle all samples and materials in contact with samples according to NCCLS guidelines for preventing transmission of blood-bome infections.
Reference Standards contain human serum which has been tested and found non-reactive for HBsAg, anti-HIV 1/2, & anti HCV. Because no test method can offer complete assurance

that products derived from human source will not transmit infectious agents, it is recommended that this product be handled with the same precautions used for patient specimens.
Store as per package insert.
For *In Vitro* use only. Do not apply to eyes or skin, ingest or inhale.

The information provided in this MSDS is believed but not warranted to be accurate.
The user should determine the suitability of this informationfor the intended use of this product and adopt suitable safety precautions.

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