



MSDS VB11

ISSUE: 01

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MSDS: Malaria Combo

Safety Data Sheet

1. Identification of the substance/ preparation and of the company undertaking

a. Identification of product

CATALOG #: VB11

NAME: MALARIA COMBO

DESCRIPTION: PLASTIC HOUSING CONTAINING LATERAL FLOW TEST STRIP CONSISTING OF POLYESTER MEMBRANE, NITRO-CELLULOSE MEMBRANE, ABSORBANT PAPER AND PLASTIC BACKING

b. Manufacturer/supplier identification

COMPANY: VISION BIOTECH (PTY) LTD, 7 INYONI ST, NDABENI, CAPE TOWN, 7450, SOUTH AFRICA TEL: +27 21 531 8507

2. Composition/ information on ingredients

a. Chemical characterization

PLASTIC HOUSING	ABS PLASTIC
POLYESTER MEMBRANE	DRIED WITH TRIS/SALINE BUFFER COATED WITH 40 NM ANTI MALARIA IgG GOLD CONJUGATE COCKTAILAND 20NM ANTI MOUSE ANTIBODY GOLD
CELLULOSE ACETATE MEMBRANE:	ANTI MOUSE ANTIBODY CONTROL LINE ANTI MALARIA ANTIBODY TEST LINE (x2)
SILICA GEL DESSICANT	INDICATING SILICA GEL
FOIL	TRIPLE LAMINATE MOISTURE RESISTANT FOIL

FULL REAGENT LIST

VB-01 ANTI HRP2 ASCITES	VISION BIOTECH	VB-C01 (CONJ)
VB-01 ANTI pALDOLASE ASCITES	VISION BIOTECH	VB-C03 (CONJ)
PEG 8000	SIGMA	P4463
SODIUM BORATE	SIGMA	S9640
NACL	SIGMA	S7653
VB-02 ANTI HRP2 ASCITES	VISION BIOTECH	VB-C02 (CAPT)
VB-01 ANTI pALDOLASE ASCITES	VISION BIOTECH	VB-C03 (CAPT)
DI-SODIUM HYDROGEN ORTHOPHOSPHATE	BDH	301574J
SODIUM DI-HYDROGEN ORTHOPHOSPHATE	BDH	301324Q
NACL	SIGMA	S 7653
CITRIC ACID	BDH	10081
RABBITT ANTI MOUSE IMMUNOGLOBULINS	DAKO	Z0109
BORATE BUFFERED SALINE	VISION BIOTECH	SOPm05
SUCROSE	SIGMA	S7903
ACID YELLOW	ALDRICH	25,030-9
PATENT ACID BLUE	ALDRICH	19,821-8
GOLD CHLORIDE	SIGMA	G 4022
MOPS	SIGMA	M-1254
ALBUMIN, BOVINE SERUM FRACTION V	SIGMA	A-3294
HIGH PURITY WATER	VISION BIOTECH	N/a
POTASSIUM CARBONATE	SIGMA	P-4379
HYDROCHLORIC ACID	BDH	101254H
TRIZMA BASE	SIGMA	T-6791
TRITON X 100	SIGMA	T-9284
SODIUM AZIDE (USED 0.095%)	SIGMA	S-2002

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3. Hazard identification

None of the above products are classified as dangerous according to EC Directives

4. First aid measures

- a. **Eye Contact:** Only applicable for Running Buffer, if in contact with eyes irrigate thoroughly with water, if discomfort persists obtain medical attention
- b. **Inhalation:** Not applicable
- c. **Skin Contact:** Applicable for all components, wash off thoroughly with soap and water.
- d. **Ingestion:** Applicable for all components wash out mouth thoroughly with water, in severe cases obtain medical attention

5. Fire fighting measures

- a. **Special risks**
Only applicable for NC membrane: Highly flammable, combustion may generate oxides of nitrogen.
- b. **Suitable extinguishing media**
Water spray, foam, dry powder or carbon dioxide

6. Accidental release measures

Shut off all sources of ignition. Carefully sweep up. Transfer to suitable containers for recovery or disposal. If buffer is released it should be mopped with paper pads and these must be disposed of appropriately. Use gloves when handling any of the products.

7. Handling and storage

- a. **Handling**
Under no circumstances eat, drink or smoke while handling these materials.
- b. **Storage**
All components stored at room temperature.

8. Exposure controls/ personal protection

- a. **RSA exposure limits**
None assigned
- b. **Personal protective equipment**
As appropriate to the situation and quantity handled.

-Ventilation: No specific measures necessary
- Respirator: Respiratory protection is not normally required
- Gloves: N/A
- Eye protection: N/A
- Other precautions: N/A

9. Physical and chemical properties
a. General information

Description	Part	Form	Colour	Odour
Running Buffer	VB11BUF	Liquid	Faint yellow	None
Test Cassette	VB11	Cassette	White	None

b. Health, safety and environmental information

Description	Part	Solubility	Flash Pt	Explosion Limits
Running Buffer	VB11BUF	Not Soluble	N/A	None
Test Cassette	VB11	Not Soluble	N/A	None

10. Stability and reactivity

All products are stable. The Nitrocellulose is incompatible with oxidizing agents. The possibility of reaction with other substances cannot be excluded.

11. Toxicological information

Hazardous properties are relatively improbable. The product should be handled with the care usual when dealing with chemicals.

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a. Further data

No data

12. Ecological information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

a. Further Ecological Data

N/A

b. Remarks

N/A

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations that vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

14. Transport information

Proper Shipping Name:
Malaria Combo Test Cassette VB11

15. Regulatory Information

a. Labeling according to EC directives

Not classified as dangerous according to EC directives

b. Local Regulations

Local regulations should be applied to this product as appropriate.

16. Regulatory Information

a. Warranty

The above Information is believed to be correct but does not purport to be all-inclusive and shall be used only as guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Vision shall not be liable for and damage resulting from handling or from contact with the above product.

b. Disclaimer

For medical diagnostic use only, under supervision of trained personell. Not for drug, household or other uses.

Manufacturer Representative:



Vision Biotech Ltd
Nick Borain
South Africa, 21 November 2006