



**1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

- 1.1. Product name Matrix Direct Antiglobulin Test Card
- Catalogue No. 102670024
- Kit components Matrix Direct Antiglobulin Test Card (24 No.),  
Matrix 12 card fitment (02 No.) and Package Insert (01 No).
- 1.2. Intended use In Vitro Diagnostic Use.
- 1.3. Company Tulip Diagnostics (P) Ltd.  
Plot Nos. 92/96, Phase II C,  
Verna Industrial Estate,  
Verna, Goa 403 722  
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Telephone : +91-832-6624555  
Fax : +91-832-2783511  
E-mail : [tulipvkn@sancharnet.in](mailto:tulipvkn@sancharnet.in)
- 1.4. In emergencies Call your local emergency center.

**2. COMPONENTS AND HAZARDOUS INGREDIENTS**

CARD COMPOSITION	HAZARDOUS INGREDIENT	EINECS NR.
Matrix card with six microtubes containing specific Anti Human IgG and Monoclonal Anti-C <sub>3</sub> d and Neutral Reagent.	Material from animal origin , <0.1% Sodium azide (NaN <sub>3</sub> )	- 247-852-1

**3. HAZARDS IDENTIFICATION**

Material from animal origin is potentially infectious.  
Sodium Azide is a toxic substance. Avoid contact with components.

**4. FIRST AID MEASURES**

- Eye contact:*
  - Rinse immediately with water
  - Do not apply neutralizing agents
  - Consult a doctor/medical service
- Skin contact:*
  - Rinse with water
  - Consult a doctor/medical service if irritation persists
- After inhalation:*
  - Remove the victim into fresh air
  - Unconscious: maintain adequate airway and respiration
  - Consult a doctor/medical service if breathing problems develop
- After ingestion :*
  - Never give water to an unconscious person
  - Consult a doctor/medical service if you feel unwell



## 5. FIRE FIGHTING MEASURES

*Suitable extinguishing media:*

- All non combustible extinguishing media allowed
- For surrounding fires: all extinguishing media allowed

*Unsuitable extinguishing media:*

- No data available

*Special exposure hazards:*

- On heating/burning: formation of small quantities of nitrous vapors, carbon monoxide, carbon dioxide

*Instructions:*

- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

*Special protective equipment for firefighters:*

- Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

## 6. ACCIDENTAL RELEASE MEASURES

*Personal protection:* see 8

*Environmental precautions:*

- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Contain leaking substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill

*Clean-up:*

- Take up liquid spill into absorbent material
- Scoop absorbed substance into closing containers
- Carefully collect the spill/leftovers
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

## 7. HANDLING AND STORAGE

*Handling:*

- Observe normal hygiene standards
- Do not discharge the waste into the drain
- Remove and clean contaminated clothing

*Storage:*

- Provide for a tub to collect spills
- Meet the legal requirements
- Keep away from: heat sources, acids
- Storage temperature: see component label

*Specific purposes:*

-NA



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure to persons

*Respiratory Protection* - Insufficient ventilation: wear respiratory protection

*Hand Protection* - Gloves

*Eye Protection* - Face shields

*Skin Protection* - Protective Clothing

### 8.2 Exposure to environment

Aquatic Classification: Very toxic to aquatic organisms.

Ozone Classification: No data available

The substance is considered as not bioaccumulative: Log Pow = NA  
BCF = NA

Not Readily degradable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Anti Human IgG , Monoclonal Anti-C<sub>3</sub>d and Neutral Reagent within the Gel Matrix.

## 10. STABILITY AND REACTIVITY

*Stability:* The component is stable until expiry date if stored in specified conditions (see label).

*Reactivity/Hazardous decomposition products:* No hazardous decomposition products are formed in high quantities

*Conditions/Materials to avoid:* Keep away from metals and acids (Component contains azide)

## 11. TOXICOLOGICAL INFORMATION

### Sodium Azide:

#### **Toxicity and effects**

*Acute toxicity:* LD50 oral rat : 27 mg/kg  
LD50 dermal rabbit : 20 mg/kg

*Acute effects:* Harmful if swallowed

*Chronic toxicity:* Carcinogenicity (TLV) : A4

#### **Routes of exposure**

Ingestion, inhalation, eyes and skin

Caution! These components contain a substance that is absorbed through the skin (sodium azide).



## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity

- Sodium azide:*
- LC50 (96 h) : 0.8 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
  - LC50 (96 h) : 0.7 mg/l (LEPOMIS MACROCHIRUS)
  - LC50 (48 h) : 9 mg/l (GAMMARUS SP.)

### Other information

- Effect on the ozone layer: Not dangerous for the ozone layer(1999/45/EC)
- Greenhouse effect: No data available
- Effect on waste water purification: No data available

## 13. WASTE DISPOSAL CONSIDERATIONS

*Provisions relating to waste:* Hazardous waste (91/689/EEC).

*Packaging/container:* Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

### *Disposal methods:*

- The component must be considered as hazardous waste. It should be disposed of following local regulations.
- Sodium azide reacts with lead and copper plumbing forming highly explosive metal azides.

## 14. TRANSPORT INFORMATION

To be handled with care and keep in upright position.

## 15. OTHER INFORMATION

This product is designed for use by professionals.

The material from animal source included in this kit are considered and judged to be free from risk of BSE/CJD and other zoonoses based on :

The use of BSA from sources in non-BSE countries (certificate available). But the handling of reagent, serum or plasma specimens should be in accordance with local safety procedure.

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