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## SAFETY DATA SHEET

### Dengucheck™ Combo Device

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**Section 1: Identification of the substance /mixture and of the company undertaking****1.1 Product identifier**

Product name: Dengucheck™ Combo Device

Product code: 502020010 , 502020025

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance/mixture:** Rapid, qualitative immunochromatographic test system for the detection of Dengue NS 1 (Dengue Non-Structural Protein-1) antigen and differential detection of IgG & IgM antibodies to Dengue virus in human serum or plasma. The test system can be used as a screening test for Dengue viral infection and as an aid for differential diagnosis of the self-limiting primary Dengue infections and the potentially fatal secondary Dengue infections in conjunction with other criteria. This product is intended for IN VITRO diagnostic use only. NOT FOR USE IN HUMANS.

**1.3 Details of the supplier of the safety data sheet**

Company name: Zephyr Biomedicals,

A Division of Tulip Diagnostics (P) Ltd.  
Plot nos. M 46-47, Phase III B,  
Verna Industrial Estate,  
Verna, Goa - 403 722,  
INDIA.[www.tulipgroup.com](http://www.tulipgroup.com)

Tel: +91 (0832) 6682000 / 6624502

Fax: (0832) 6680156

Email: [zephyr@tulipgroup.com](mailto:zephyr@tulipgroup.com)**1.4 Emergency telephone number**

Emergency tel: +91 (0832) 6682000 / +91 (0832) 6624502

(office hours only)

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ISSUE DATE: 09-12-2023

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**Section 2 : Hazards identification****2.1 Classification of the substance or mixture**

**Classification under CLP:** This product has no classification under CLP.

The product is regulated as an in vitro diagnostic medical device and is not considered hazardous in accordance with regulation (EC) No.1272/2008.

**2.2 Label elements**

**Label elements:** None are present.

**Precautionary statements:** P102: Keep out of reach of children.

P234: Keep only in original container.

**2.3 Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3 : Composition /information on ingredients****3.1 Substances**

**Chemical identity:** In-Vitro Diagnostic test for detection of Dengue NS 1 antigen and IgG/IgM antibodies to Dengue virus.

**Contains:** Contains no hazardous substances in reportable quantities under the CLP.

**Section 4 : First aid measures****4.1 Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, seek medical advice/attention.

**Ingestion:** Do not induce vomiting. Wash mouth with water and give plenty of water to drink immediately. Obtain medical attention if necessary and show label on container.

**Inhalation:** Irritation is unlikely to occur but in the event of discomfort, provide plenty of fresh air and if necessary seek medical assistance.

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**4.2 Most important symptoms and effects, both acute and delayed****Skin contact :** There may be mild irritation at the site of contact.**Eye contact :** There may be irritation and redness.**Ingestion :** There may be irritation of the throat.**Inhalation :** No symptoms.**4.3 Indication of any immediate medical attention and special treatment needed****Immediate / special treatment:** Not applicable.**Section 5: Fire -fighting measures****5.1 Extinguishing media****Extinguishing media:** Suitable extinguishing media such as carbon dioxide, dry chemical powder or polymer foam for the surrounding fire should be used.

Use water spray to cool containers.

**5.2 Special hazards arising from the substance or mixture****Exposure hazards:** No known specific hazards**5.3 Advice for fire fighters****Advice for fire-fighters:** Do not enter fire without proper protective equipment, including respiratory protection.**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

1. Follow Standard Biosafety guidelines during handling of potentially infectious human specimens.
2. Refer to section 8 of SDS for personal protection details.
3. Turn leaking containers leak-side up prevent the escape of liquid.

**6.2 Environmental precautions****Environmental precautions:** Do not discharge into drains or rivers.

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**6.3 Methods and material for containment and cleaning up**

**Clean-up procedures:** For small spills, clean up with paper/cloth, or mop up, and dispose off safely.  
Clean area of spillage down with plenty of water.

**6.4 Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage****7.1 Precautions for safe handling**

**Handling requirements:** Refer IFU for Dengucheck™ Combo Device

**7.2 Conditions for safe storage , including any incompatibilities**

**Storage conditions:** Store in original container between 4°C to 30°C. Keep buffer container tightly closed and once opened must be carefully closed back and kept in upright position to prevent leakage.

**Suitable packaging:** Must only be kept in original packaging.

**7.3 Specific end use(s)**

**Specific end use(s):** Refer Section 1.2

**Section 8: Exposure controls/personal protection****8.1 Control parameters**

**Workplace exposure limits:** Contains no substance with occupational exposure limit values.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2 Exposure controls**

**Engineering measures:** Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respiratory protection not required. Ensure adequate ventilation.

**Hand protection:** Protective gloves.

**Eye protection:** No specific measures are required when using good safe practice.

**Skin protection:** Protective clothing not required in normal use. Use proper glove removal technique to avoid skin contact.

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**Section 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

	Device	Sample Running Buffer
State :	Solid	Liquid
Colour :	White	Colourless
Odour :	Odourless	Odourless
Solubility in water :	Insoluble	Not Applicable
Viscosity :	Not Applicable	No data available
Boiling point/range°C:	No data available	No data available
Flash point°C:	No data available	No data available
Vapour pressure:	No data available	No data available
pH:	No data available	8.5
Melting point/range°C:	No data available	No data available
Auto flammability°C:	No data available	No data available
Relative density:	No data available	1.0

**9.2 Other Information**

Other information: No data available.

**Section 10: Stability and reactivity****10.1 Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Chemical stability: Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

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**10.4 Conditions to avoid**

Conditions to avoid: Heat and moisture

**10.5 Incompatible materials**

Materials to avoid: Strong acids /alkalines, oxidising / reducing agents.

**10.6 Hazardous decomposition products**

Hazardous decomposition products: No known hazardous decomposition products are formed in high quantities

**Section 11: Toxicological information****Section 11.1 Information on Toxicological effects**

Toxicity values: No data available.

**Symptoms/routes of exposure**

Skin contact: There may be mild irritation at the site of contact

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

**Section 12: Ecological information****12.1 Toxicity**

Ecotoxicity values: No data available.

**12.2 Persistence and degradability**

Persistence and degradability: No data available.

**12.3 Bioaccumulative potential**

Bioaccumulative potential: No data available.

**12.4 Mobility in soil**

Mobility: No data available.

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**12.5 Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT/vPvB substance.

**12.6 Other adverse effects**

Other adverse effects: Negligible ecotoxicity.

**Section 13: Disposal considerations****13.1 Waste treatment methods**

Disposal operations: Dispose off in accordance with current legislation and local authority regulations as per established safety procedures.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information****14.1 UN number**

UN number: N/A

**14.2 UN proper shipping name**

Shipping name: This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.3 Transport hazard class(es)**

Non -hazardous for transport.

**14.4 Packing group**

N/A

**14.5 Environmental hazards**

Environmentally hazardous : Reagents in this kit &amp; the sample running buffer contain Sodium Azide.

Marine pollutant: No

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**14.6 Special precautions for user**

- Special precautions:**
1. Shipper boxes should be arranged / stacked in the direction as indicated the shipper label / Carton.
  2. Avoid over-stacking. Do not stack more than 5 boxes.
  3. The reagent in this sample running buffer, contains Sodium Azide as a preservative. Sodium Azide has been reported to form Lead or Copper Azide in laboratory plumbing, which may explode on percussion. Flush drains with large volumes of water thoroughly after disposing of fluids containing Sodium Azide.

**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Specific regulations:** Applicable national / regional or local regulations.  
Safe for all kinds of modes of transportation.

**15.2 Chemical Safety assessment**

The Sample running buffer contain 0.1% of Sodium Azide ( $\text{NaN}_3$ ) as preservative.

CAS:No.: 26628-228 EINECS-No.: 247-852-1

**Section 16: Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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