

Annexure VIII

Safety Data Sheet

Safety Data Sheet

1. INFORMATION ON THE SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Name : **Bornsafe G6PD**

Kit	Catalog No.	Components
Bornsafe G6PD	1122020096	G6PD Calibrator G6PD Control Level L1 & L2 Elution Buffer Reagent Colour Reagent Colour Booster

1.2 Intended Use : For quantitative determination of Glucose-6-Phosphate Dehydrogenase(G6PD) activity in blood specimens dried on whatman 903 filter paper.

1.3 Company : **Coral Clinical Systems**
(A Division of Tulip Diagnostics (P) Ltd.)
Plot No. M-46, Phase III B, Verna Ind. Estate,
Verna, Goa -403 722, INDIA.
Tel :- +91-832-6680121
Fax :- +91-832-2887028
E-mail :- coral@tulipgroup.com

1.4 In emergencies Call your local emergency center.

2. Composition / Information on Hazardous Ingredients

Chemical Name	CAS #	% W/V	Exposure Limits in Air					
			ACGIH		OSHA		OTHER	
			TLV	STEL	PEL	STEL		

G6PD Calibrator : No Hazardous components.

G6PD Control Level L1 & L2 : No Hazardous components

Elution Buffer : No Hazardous components

Reagent : No Hazardous components

Colour Reagent : No Hazardous components

Colour Booster : No Hazardous components

3.Hazard Identification

According to 1999/45/EC, the preparation is classified as non hazardous substance or mixture.

Other Information

Material of human origin is used for the preparation of this kit.No test can guarantee complete absence of these viruses,all samples and reagents used for the assay must be considered potentially infectiousTherefore the assay waste must be decontaminated and disposed off, in accordance with established safety procedures.

4.First Aid Measures

Inhalation:

Allow victim to breath fresh air.Allow the victim to rest.

Ingestion:

Rinse mouth.Do not induce vomiting.Obtain emergency medical attention.

Skin Contact:

Wash with plenty of soap and water.wash contaminated clothing before reuse. If skin irritation occurs:Get medical attention immediately.

Eye Contact:

Rinse cautiously with water for several minutes.Remove contact lenses,if present and easy to do.continue rinsing.Immediately call a doctor.

5.Fire Fighting Measures

Flash Point (Method used): NA

Flammable Limits – LEL: NA

UEL: NA

Extinguishing Media:

Use fire-extinguishing media appropriate for site conditions.

Special Fire Procedures:

Use water spray or fog for cooling exposed containers.Exercise caution when fighting any chemical fire.prevent fire fighting water from entering environment.Do not enter fire area without proper protective equipment,including respiratory protection.

Unusual Fire and Explosion Hazards:

NA.

6.Accidental Release Measures

Steps to be taken in case material is Released or Spilled:

PPE should be used: lab gloves, chemical resistant apron, boots and splash goggles. Use an absorbent material to contain / pick up the spilled solution. Place all spill residue into a suitable container, seal, label and hold for disposal.

7.Handling and Storage

Refer to packet insert for additional information on handling and storage procedures.

8.Exposure Controls and Personal Protection

Ventilation Data:

A system of local and / or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Respiratory Protection:

Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow OSHA respirator regulations (29CFR1910.134) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide worker protection for given working conditions, level of airborne concentration, and presence of sufficient oxygen.

Protective Gloves:

Wear appropriate protective gloves and Clothing to prevent skin contact.

Other Protective Equipment:

Wear appropriate eye protection to prevent eye contact. Wear appropriate body protection to prevent skin contact.

Other Engineering Controls:

Eye wash stations and deluge showers.

Work Practices:

Good laboratory technique should be used when handling this product. Observe appropriate chemical hygiene. Avoid contact with eyes or skin. Do not place in mouth.

Hygienic Practices:

Do not eat, drink, or smoke while working with product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

9. Physical And Chemical Properties

G6PD Calibrator

Relative Vapour density(air = 1) : NA	Evaporation rate(nBuAc = 1): NA
Specific Gravity (water = 1) : NA	Freezing / Melting Point : NA
Solubility in Water : NA	Boiling Point : NA
Vapour Pressure, mm Hg @ 20°C: NA	pH : NA

G6PD Control Level L1 & L2

Relative Vapour density(air = 1) : NA	Evaporation rate(nBuAc = 1): NA
Specific Gravity (water = 1) : NA	Freezing / Melting Point : NA
Solubility in Water : NA	Boiling Point : NA
Vapour Pressure, mm Hg @ 20°C: NA	pH : NA

Elution Buffer

Relative Vapour density(air = 1) : NA	Evaporation rate(nBuAc = 1): NA
Specific Gravity (water = 1) : NA	Freezing / Melting Point : NA
Solubility in Water : Soluble	Boiling Point : NA
Vapour Pressure, mm Hg @ 20°C: NA	pH : 7.4

Reagent

Relative Vapour density(air = 1) : NA	Evaporation rate(nBuAc = 1): NA
Specific Gravity (water = 1) : NA	Freezing / Melting Point : NA
Solubility in Water : Soluble	Boiling Point : NA
Vapour Pressure, mm Hg @ 20°C: NA	pH : NA

Colour Reagent

Relative Vapour density(air = 1) : NA	Evaporation rate(nBuAc = 1): NA
Specific Gravity (water = 1) : NA	Freezing / Melting Point : NA
Solubility in Water : Soluble	Boiling Point : NA
Vapour Pressure, mm Hg @ 20°C: NA	pH : 7.0

Colour Booster

Relative Vapour density(air = 1) : NA	Evaporation rate(nBuAc = 1): NA
Specific Gravity (water = 1) : NA	Freezing / Melting Point : NA
Solubility in Water : Soluble	Boiling Point : NA
Vapour Pressure, mm Hg @ 20°C: NA	pH : 7.0

Odour and Appearance Information

G6PD Calibrator : Dried blood spots.

G6PD Control Level L1 & L2 : Dried blood spots.

Elution Buffer : Colourless Liquid

Reagent : Lyophilized Powder

Colour Reagent :Colourless Liquid

Colour Booster :Colourless Liquid

10.Stability and Reactivity

Incompatibility (Materials to Avoid):

Strong oxidizers,Strong bases,metals.

Hazardous Decomposition Products:

Fume,Carbon dioxide,Carbon monoxide.

Will Hazardous Polymerization Occur?

Hazardous polymerization will not occur.

Conditions to Avoid / Polymerization:NA

Is the Product Stable?

Yes, under normal handling and storage conditions.

Conditions to Avoid/stability

Direct sunlight,Extremely high or low temperatures.Stable under normal conditions.

11.Toxicological Information

Toxicity Data:

NA

Reproductive effects:

NA

Target organ Effects:

NA

Carcinogenicity: No

CHEMICAL NAME	CAS #	% W/V	NTP Carcinogen		IARC	OSHA
			Known	Anticipated		
NA.						

12. Ecological Information

Environmental Fate / Stability: NA

Effect of Material on plants or animals: NA

Effect of Chemical on Aquatic Life: NA

13. Disposal Considerations

EPA Waste Number and Proper Waste Disposal Method:

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local state and federal regulations

14. Transportation Information

Is this Material Hazardous? Not regulated under transportation regulations.

Proper Shipping Name : NA	Packing Group: NA	UN Number: NA
Hazard Class Number : NA		

15. Regulatory Information NA.

16. Other Information

This product is designed for use by professionals.

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.

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