

Name of the Product : **HiPer®Western Blotting Teaching Kit**  
 Code No. : **HTI009**  
 Section 1 : **Chemical Identification & Company Information**  
     Code No. : HTI009  
     Name of the Product : HiPer®Western Blotting Teaching Kit  
     Produced by : HiMedia Laboratories Pvt. Ltd.  
     Address : 23, Vadhani Indl. Estate, LBS Marg, Mumbai 400 086, India.  
     Tel. No. : 2500 0970, 2500 1607 Fax No. 022 2500 2468

Section 2 : **Composition/ Information on ingredients**  
**Kit components**



- Acrylamide Bisacrylamide solution 30% (29:1)



- 2.5 X Tris-SDS Buffer (pH 8.8)

Description : Proprietary mixture of various substances



- 5 X Tris-SDS Buffer (pH 6.8)

Description : Proprietary mixture of various substances

- Protein Marker



- 5 X Tris-Glycine-SDS Gel Running Buffer

Description : Proprietary mixture of various substances



- 5X Sample Loading Buffer

Description : Proprietary mixture of various substances



- 1X PBS Solution

Description : Proprietary mixture of various substances



- Staining solution

Description : Proprietary mixture of various substances



- Destaining solution

Description : Proprietary mixture of various substances



- Ammonium persulphate (APS)



- Tetramethylethylenediamine (TEMED)

- Agarose

- Protein Sample



- 10X Transfer Buffer

- Blocking agent



- Diluent Buffer

Description : Proprietary mixture of various substances



- 10X Assay Buffer

Description : Proprietary mixture of various substances



- 10X Wash Buffer

Description : Proprietary mixture of various substances

- Primary Antibody
- Secondary Antibody
- TMB/ H<sub>2</sub>O<sub>2</sub>
- Nitrocellulose membrane with filter paper

## Section 3 : Hazards Identification

Special indication of hazards to humans and the environment.

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.

## Section 4 : First - Aid Measures

In case of swallowing, wash out mouth with water provided person is conscious. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation, remove to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.

## Section 5 : Fire Fighting Measures

Extinguishing Media. Water spray.

Carbon dioxide, dry chemical powder or appropriate foam. Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Unusual fire and explosion hazards. Emits toxic fumes under fire conditions.

## Section 6 : Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Do not allow product to reach sewage system or any water course.

## Section 7 : Handling and Storage

- Handling - Refer to Section 8
- Storage - Store the contents as specified on the labels

## Section 8 : Exposure Controls / Personal Protection

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

## Section 9 : Physical and Chemical Properties

Chemical	Form	Colour	Odour
Acrylamide Bisacrylamide solution	Liquid	Colourless	odourless
2.5 X Tris-SDS Buffer (pH 8.8)	Liquid	Colourless	odourless
5 X Tris-SDS Buffer (pH 6.8)	Liquid	Colourless	odourless
Protein Marker	Liquid	Blue	odourless
5 X Tris-Glycine-SDS Gel Running Buffer	Liquid	Colourless	odourless
5X Sample Loading Buffer	Liquid	Blue	Unpleasant
Phosphate Buffered Saline	Liquid	Colourless	odourless
Staining solution	Liquid	Blue	Pungent
Destaining solution	Liquid	Colourless	Pungent
Ammonium persulphate (APS)	Solid	White	odourless
Tetramethylethylenediamine (TEMED)	Liquid	Colourless	Pungent
Agarose	Solid	White	odourless
Protein Sample	Liquid	Colourless	odourless
10X Transfer Buffer	Liquid	Colourless	odourless
Blocking agent	Solid	White	odourless
Diluent Buffer	Liquid	Colourless	odourless
10X Assay Buffer	Liquid	Colourless	odourless
10X Wash Buffer	Liquid	Colourless	odourless
Primary Antibody	Liquid	Colourless	odourless
Secondary Antibody	Liquid	Colourless	odourless
TMB/ H <sub>2</sub> O <sub>2</sub>	Liquid	Colourless	odourless
Nitrocellulose membrane with filter paper	Paper	NA	NA

## Section 10 : Stability and Reactivity

Stability : Product is stable if stored as per the conditions specified under storage of Section No. 7.  
Conditions to avoid : Strong oxidizing agents, strong bases, or fire

## Section 11 : Toxicological Information

Acute Effects : May be harmful if swallowed.  
Exposure can cause : Stomach pains, vomiting, diarrhoea. Severe inflammation of the colon. Appears to penetrate well into bone and central nervous system. Possesses neuromuscular blocking activity.  
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.  
Target organ(s) : G.I. system

Section 12 : **Ecological Information**

The potential effects of a single package on the environment are considerably low.  
Hazard to drinking water only if large amounts enter the subsoil and waters.

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Section 13 : **Disposal Considerations**

**Product**

Must not be disposed off together with household garbage. Do not allow product to reach sewage system. Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

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Section 14 : **Transport Information**

UN No. : Not applicable

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Section 15 : **Regulatory Information**

R-Phrases: 20/21/22 - 26/27/28 - 36/37/38

Harmful by inhalation.

Harmful in contact with skin.

Harmful if swallowed.

Very toxic by inhalation.

Very toxic in contact with skin.

Very toxic if swallowed.

Irritating to the respiratory system.

Irritating to the skin.

Irritating to the eyes

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S-Phrases: 26-36 -46

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Wear suitable protective clothing.

If swallowed, seek medical advice immediately and show this container label.

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Section 16 : **Other Information**

Disclaimer : For Teaching purpose only. Not for drug, household or other uses.

Warranty : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a 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.

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