

Product No. 05680

WB Stripping Solution Trial Set

Features

WB Stripping Solution Trial Set is useful for stripping the antibody from the blotting membrane detected by chemiluminescence detection method after the antigen-antibody reaction on dot blots or Western blots. Two types of solution are available depending on the strength of antigen-antibody reaction.

- Heating is not required.
- Does not contain 2-mercaptoethanol.
- Ready to use.

Components

Reagents	Action mechanism	Volume	Quantity	(Reference) Product No.
WB Stripping Solution	Action of pH and protein denaturing agent	40ml	1	05364-55 (500ml)
WB Stripping Solution Strong	Action of reducing agent and surfactant	40ml	1	05677-65 (500ml)

WB Stripping Solution

Protocol

Use 20ml solution for blotting membrane of mini gel size.
Use the product after it has been equilibrated at room temperature.

1. Wash chemiluminescence stain treated blotting membrane with tPBS or tTBS with 0.05%(v/v)Tween[®] 20 for 5 minutes.
2. Pour enough WB stripping solution into the tray to cover the blotting membrane fully. Shake gently for 5-15 minutes.
3. Dispose stripping solution and wash membrane with tPBS or tTBS for 5 minutes.
4. Washed blotting membrane can be used for a second antigen-antibody reaction.

Caution

- Depending on the strength of the antigen-antibody reaction, the antibody complex may remain on the membrane after 5-15 minutes stripping treatment at room temperature. It is recommended to optimize the conditions beforehand. If antigens remain, it is recommended to extend the stripping time (30 minutes to several hours) and/or raise temperature (37 to 60 °C). Perform blocking again if necessary.
- The product is an acidic solution (pH 2-3). Wear protective chemical-resistant clothes, gloves, and safety eye-wears. If the product accidentally comes into contact with skin, thoroughly wash the skin with water. Contact a physician if necessary.
- Use the product after it has been equilibrated at room temperature.
- This product is not suitable for use for blotting membrane stained with TMB, DAB, 4-chloronaphthol or other visually detectable staining, because these stains do not disappear from the membrane.
- After use, the product shall be neutralized and discarded.

WB Stripping Solution Strong

Protocol

For blotting membrane (mini gel size), use 20 ml of this product.

All equipments (tray, tweezers etc) coming into contact with this product should be made of plastic.

Use the product after it has been equilibrated at room temperature.

1. Wash chemiluminescence stain treated blotting membrane with deionized water for 1 minute.
2. Pour enough WB stripping solution into the tray to cover the blotting membrane fully. Shake gently for 5-15 minutes.
3. Dispose stripping solution and wash membrane with tPBS or tTBS with 0.05%(v/v) Tween[®] 20 for 5 minutes.
4. Washed blotting membrane can be used for a second antigen-antibody reaction.

Caution

- All equipments (tray, tweezers etc) coming into contact with this product should be made of plastic. Contact with metal equipment compromise the performance of the product.
- Depending on the strength of the antigen-antibody reaction, the antibody complex may remain on the membrane after 5-15 minutes stripping treatment at room temperature. It is recommended to optimize the conditions beforehand. If antigens remain, it is recommended to extend the stripping time (30 minutes to several hours) and/or raise temperature (37 - 60 °C). Perform blocking again if necessary.
- The product has reductive property. Wear protecting chemical-resistant clothes, gloves, and safety eye-wears. If the product accidentally comes into contact with skin, thoroughly wash the skin with water. Contact a physician if necessary.
- Use the product after it has been equilibrated at room temperature.
- The product should be stored in Refrigerator. During long storage, the surfactant may precipitate. Precipitation causes change in the concentration. Therefore use the product after the precipitation has been dissolved at room temperature or 30 - 40 °C.
- This product is not suitable for use for blotting membrane stained with TMB, DAB, 4-chloronaphthol or other visually detectable staining, because these stains do not disappear from the membrane.

Information

Confirmation of antibody removal

If antibody remains on the membrane, it can be detected after the new antigen-antibody reaction causing false result.

- Check whether any labeled antibody complex remains after the stripping by repeated chemiluminescence detection.
- Check whether any non-labeled (primary) antibody remains by chemiluminescence detection upon repeated reaction with the secondary antibody.

Continuous use

The precipitation forms due to mixing WB Stripping Solution and WB Stripping Solution Strong. Wash the blotting membrane with buffer or deionized water for 3-5 times, when each solution is used alternately. Use another instrument.

Storage

Refrigerator

Expiration

Expiration date is stated on the product label.

Packing

1 SET (Product No.05680-21)