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Neutral Tree Gum

Cat.No. : WG10004160

Spec.: 30 mL (Glycerin Gelatin Mounting Medium)

100 mL (Neutral Tree Gum)

Product Introduction

Product Information

Product Name	Cat. No.	Spec.
Neutral tree gum	WG10004160	100 mL

Product Description/Introduction

The neutral gum, Rhamsan gum in English, is an adhesive used to bind slides and cover slides together, which can seal biological tissue sections for a long time. With high transparency, no corrosion of glass, not easy to grow mildew and other characteristics, and soluble in xylene.

Parameters

CAS：96949-21-2

Appearance: Colorless viscous liquid.

Storage and Shipping Conditions

Store and transport at room temperature, valid for 24 months.

Assay Protocol / Procedures

Put 2-3 drops of the gum solution in the center of the slide (be careful to put the drops together or there will be bubbles easily), then put the cover glass on slowly and squeeze gently. The gum solution will spread outward-side to the whole lens. After a few hours of ventilation, use a cotton swab to stick xylene or turpentine to remove the excess trees on the edge of the slide

Scrub the glue and leave to dry in a ventilated place.

Servicebio® Environmentally Friendly Mounting Medium (Yellow)

Cat. No.: G1406-100ML

Product Information

Product Name	Cat.No.	Spec.
Environmentally Friendly Mounting Medium (Yellow)	G1406-100ML	100 mL

Description

This product is an environmentally friendly mounting medium with high transparency, medium viscosity value, refractive index nD=1.4660-1.4680, no smell of yellow transparent viscous liquid, no xylene. This product is used for sealing pathological tissue sections and cell smears after staining, ensuring the adhesion and light transmittance of tissue sections. At the same time, manual operation is harmless and has no irritant odor. It is an environmental protection sealing glue. This product is compatible with the environmentally friendly dewaxing clear liquid (G1128), and can be used to seal the sections after transparent with the environmentally friendly dewaxing clear liquid.

Storage and Handling Conditions

Transport at room temperature, store in a dry environment, do not place in a low temperature environment, avoid direct sunlight. It is valid for 24 months.

Assay Protocol

The slices were fully dehydrated and transparent before mounting, put a drop of mounting glue on the glass slides, and gently cover the coverslip to avoid air bubbles as much as possible. Place the slices horizontally in an oven at 60℃ to dry for 30-40 minutes or naturally dry at room temperature for about 1 hour, then observe them under a microscope.

Note

1. Please use it in a well-ventilated place. Tighten the cap in time after use to prevent the solvent from evaporating.
2. Please wear lab coat and disposable gloves during operation.

Servicebio® Glycerin Gelatin Mounting Medium

Cat. No.: G1402-30ML

Product Information

Product Name	Cat.No.	Spec.
Glycerin Gelatin Mounting Medium	G1402-30ML	30 mL

Description

Glycerin gelatin mounting medium are water-soluble tablets prepared by Kaiser method and do not contain phenol. It can be used to seal the sections that cannot be dehydrated by ethanol and transparent by xylene after dyeing. The main ingredients of this product are glycerin and gelatin.

Storage and Handling Conditions

Wet ice transportation; -20℃ storage, short-term frequent use can be stored at 4℃ storage, valid for 12 months.

Note

1. The product is solid at low temperature and needs to be preheated to completely dissolve at 37-50℃ before use.
2. Pay attention to avoid bubbles when using, and carefully operate when dropping onto the slide. Tilt down slowly when covering the slide to prevent bubbles from affecting observation.
3. Blot the water slightly before sealing the slices.
4. For sections that are easy to fade, take photos as soon as possible after being sealed by this product.
5. Wear a lab coat and disposable gloves during the operation

Servicebio® 1×TBST Buffer (Ready to Use)

Cat #: G2150

Product Information

Product Name	Cat. No.	Spec.
1×TBST Buffer (Ready to Use)	G2150-1L	1 L

Product Description

TBST buffer, which can be applied to reagents such as washing away non-specifically bound antibodies on membranes in Western Blot experiments, as well as the preparation of blocking solution, the preparation of primary or secondary antibodies, and the washing of primary or secondary antibodies after incubation in immunofluorescence and immunohistochemistry experiments, in order to reduce the background and enhance the signal-to-noise ratio. The product is a ready-to-use reagent which consists of 10 mM Tris, 150 mM NaCl, 0.05% Tween-20, pH 7.2-7.6 at 25℃.

Storage and Shipping Conditions

Ship and store at room temperature; Valid for 12 months.

Note

1. Please use quickly once opened.
2. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® 10×TBST Buffer Solution

Cat #: G0004

Product Information

Product Name	Cat. No.	Spec.
10×TBST Buffer Solution	G0004-500ML	500 mL
	G0004-1L	1 L

Product Description/Introduction

TBST buffer (Tris-buffered saline with Tween-20 detergent) is an isotonic buffer salt solution used in biology. It consists of Tris-HCl to form a stable pH buffer system, NaCl to provide isotonic conditions and Tween-20 as a decontaminant to increase the elution capacity of the buffer. It can be applied in Western Blot experiments to wash away reagents such as non-specific binding antibodies on membranes, as well as in immunofluorescence and immunohistochemistry experiments for the preparation of the blocking solution, the preparation of primary or secondary antibodies, and the washing of primary or secondary antibodies after incubation to reduce the background and enhance the signal-to-noise ratio. The product is a 10-fold concentrate solution which consists of 100 mM Tris, 1.5 M NaCl, 0.5% Tween-20. Should be diluted 10-fold before use.

Storage and Shipping Conditions

Ship and store at room temperature; Valid for 12 months.

Assay Protocol/Procedures

Mix 100 mL of this product with 900 mL of deionised or distilled water to obtain 1 x TBST solution containing 10 mM Tris, 150 mM NaCl, 0.05% Tween-20, pH 7.2-7.6 at 25°C.

Note

1. Once diluted to 1 x working solution, this product needs to be stored at 4°C and used up within one month. If stored at room temperature, use within one week is recommended.
2. Place the product in 37°C water bath until crystals completely dissolved, it will not affect the use.
3. For your safty and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® 10×TBST Buffer Solution

Cat #: G0004

Product Information

Product Name	Cat. No.	Spec.
10×TBST Buffer Solution	G0004-500ML	500 mL
	G0004-1L	1 L

Product Description/Introduction

TBST buffer (Tris-buffered saline with Tween-20 detergent) is an isotonic buffer salt solution used in biology. It consists of Tris-HCl to form a stable pH buffer system, NaCl to provide isotonic conditions and Tween-20 as a decontaminant to increase the elution capacity of the buffer. It can be applied in Western Blot experiments to wash away reagents such as non-specific binding antibodies on membranes, as well as in immunofluorescence and immunohistochemistry experiments for the preparation of the blocking solution, the preparation of primary or secondary antibodies, and the washing of primary or secondary antibodies after incubation to reduce the background and enhance the signal-to-noise ratio. The product is a 10-fold concentrate solution which consists of 100 mM Tris, 1.5 M NaCl, 0.5% Tween-20. Should be diluted 10-fold before use.

Storage and Shipping Conditions

Ship and store at room temperature; Valid for 12 months.

Assay Protocol/Procedures

Mix 100 mL of this product with 900 mL of deionised or distilled water to obtain 1 x TBST solution containing 10 mM Tris, 150 mM NaCl, 0.05% Tween-20, pH 7.2-7.6 at 25°C.

Note

1. Once diluted to 1 x working solution, this product needs to be stored at 4°C and used up within one month. If stored at room temperature, use within one week is recommended.
2. Place the product in 37°C water bath until crystals completely dissolved, it will not affect the use.
3. For your safty and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® 1X TBS Buffer (Ready to Use)

Cat #: G2153

Product Information

Product Name	Cat. No.	Spec.
1X TBS Buffer (Ready to Use)	G2153-1L	1 L

Product Description/Introduction

Tris Buffered Saline (TBS) buffer can be used for rinsing during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, in situ hybridisation and other related immunological experiments, as well as for blocking solution preparation. This product is a 1× ready-to-use solution, the main components are 10 mM Tris, 150 mM NaCl, pH 7.2-7.6@25℃.

Storage and Shipping Conditions

Ship and store at room temperature; Valid for 12 months.

Note

1. This product is not aseptic.
2. It is recommended to use as soon as possible after opening and can also be stored at 4℃.
3. Please wear a lab coat and disposable gloves during operation.

Servicebio® 10×TBS

Cat #: G0015

Product Information

Product Name	Cat. No.	Spec.
10×TBS	G0015-500ML	500 mL
	G0015-1L	1 L

Product Description/Introduction

Tris Buffered Saline (TBS) buffer can be used for rinsing during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, in situ hybridization and other related immunological experiments, as well as for containment solution preparation. This product is a 10-fold concentrated solution containing 100 mM Tris and 1.5 M NaCl, which should be diluted 10-fold before use.

Storage and Shipping Conditions

Ship and store at room temperature, valid for 12 months.

Assay Protocol/Procedures

Mix well 900 mL of deionized water or distilled water per 100 mL of 10×TBS to obtain 1×TBS working solution containing 10 mM Tris, 150 mM NaCl, pH 7.2-7.6 at 25 °C.

Note

1. This product is not aseptically produced.
2. Dilute into working solution and store at 4℃, use up within one week.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Tris Buffered Saline (TBS, Powder)

Cat #: G0001

Product Information

Product Name	Cat. No.	Spec.
Tris Buffered Saline (TBS) Powder	G0001-2L	2 L
	G0001-15	15 Bags, Powder
	G0001-10L	10 L
	G0001-20L	20 L

Product Description/Introduction

Tris Buffered Saline (TBS, Powder), i.e., TBS powder buffer, is offered in different sizes of packages and can be formulated into different volumes of TBS buffer. The main components of the prepared TBS solution were 10 mM Tris, 150 mM NaCl, pH 7.2-7.6@25°C. It is used for rinsing during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, in situ hybridization and other related immunological experiments, as well as for containment solution preparation. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0001-2L, each bag of powder can be prepared 2 L TBS buffer.

G0001-15, containing 15 bags of 2 L size powder.

G0001-10L, each bag of dry powder can be prepared 10 L TBS buffer.

G0001-20L, each bag of powder can prepare 20 L TBS buffer.

If it is necessary to formulate into TBST buffer, add 0.5 mL of Tween-20 to the prepared TBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× TBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Tris Buffered Saline (TBS, Powder)

Cat #: G0001

Product Information

Product Name	Cat. No.	Spec.
Tris Buffered Saline (TBS) Powder	G0001-2L	2 L
	G0001-15	15 Bags, Powder
	G0001-10L	10 L
	G0001-20L	20 L

Product Description/Introduction

Tris Buffered Saline (TBS, Powder), i.e., TBS powder buffer, is offered in different sizes of packages and can be formulated into different volumes of TBS buffer. The main components of the prepared TBS solution were 10 mM Tris, 150 mM NaCl, pH 7.2-7.6@25°C. It is used for rinsing during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, in situ hybridization and other related immunological experiments, as well as for containment solution preparation. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0001-2L, each bag of powder can be prepared 2 L TBS buffer.

G0001-15, containing 15 bags of 2 L size powder.

G0001-10L, each bag of dry powder can be prepared 10 L TBS buffer.

G0001-20L, each bag of powder can prepare 20 L TBS buffer.

If it is necessary to formulate into TBST buffer, add 0.5 mL of Tween-20 to the prepared TBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× TBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Tris Buffered Saline (TBS, Powder)

Cat #: G0001

Product Information

Product Name	Cat. No.	Spec.
Tris Buffered Saline (TBS) Powder	G0001-2L	2 L
	G0001-15	15 Bags, Powder
	G0001-10L	10 L
	G0001-20L	20 L

Product Description/Introduction

Tris Buffered Saline (TBS, Powder), i.e., TBS powder buffer, is offered in different sizes of packages and can be formulated into different volumes of TBS buffer. The main components of the prepared TBS solution were 10 mM Tris, 150 mM NaCl, pH 7.2-7.6@25°C. It is used for rinsing during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, in situ hybridization and other related immunological experiments, as well as for containment solution preparation. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0001-2L, each bag of powder can be prepared 2 L TBS buffer.

G0001-15, containing 15 bags of 2 L size powder.

G0001-10L, each bag of dry powder can be prepared 10 L TBS buffer.

G0001-20L, each bag of powder can prepare 20 L TBS buffer.

If it is necessary to formulate into TBST buffer, add 0.5 mL of Tween-20 to the prepared TBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× TBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Tris Buffered Saline (TBS, Powder)

Cat #: G0001

Product Information

Product Name	Cat. No.	Spec.
Tris Buffered Saline (TBS) Powder	G0001-2L	2 L
	G0001-15	15 Bags, Powder
	G0001-10L	10 L
	G0001-20L	20 L

Product Description/Introduction

Tris Buffered Saline (TBS, Powder), i.e., TBS powder buffer, is offered in different sizes of packages and can be formulated into different volumes of TBS buffer. The main components of the prepared TBS solution were 10 mM Tris, 150 mM NaCl, pH 7.2-7.6@25°C. It is used for rinsing during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, in situ hybridization and other related immunological experiments, as well as for containment solution preparation. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0001-2L, each bag of powder can be prepared 2 L TBS buffer.

G0001-15, containing 15 bags of 2 L size powder.

G0001-10L, each bag of dry powder can be prepared 10 L TBS buffer.

G0001-20L, each bag of powder can prepare 20 L TBS buffer.

If it is necessary to formulate into TBST buffer, add 0.5 mL of Tween-20 to the prepared TBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× TBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® 1×PBST Buffer (ready-to-use)

Cat. #: G2157

Product Information

Product Name	Cat. No.	Spec.
1X PBST Buffer (ready-to-use)	G2157-1L	1 L

Product Description/Introduction

This product is 1×PBST buffer, ready-to-use, the main components are 10 mM sodium phosphate, 150 mM NaCl, 0.05% Tween-20, pH 7.2-7.6 at 25 ℃. It can be used for Western Blot (WB) immunoblotting experiments to wash away non-specifically bound antibodies on the membrane and other reagents, as well as in immunofluorescence, immunohistochemistry and other experiments such as the preparation of blocking solution, primary or secondary antibodies, the washing of the primary or secondary antibody after incubation, etc., in order to reduce the background, and to enhance the signal-to-noise ratio. For experiments related to alkaline phosphatase AP labelling system, please choose TBS buffer to avoid the effect of PBS on alkaline phosphatase.

Storage and Shipping Conditions

Ship and store at room temperature, valid for 12 months.

Note

1. This product is not aseptic.
2. It is recommended to use as soon as possible after opening and can also be stored at 4℃.
3. This product does not contain potassium ions, if you need a phosphate buffer containing potassium ions, we recommend **G4202**.
4. Please wear a lab coat and disposable gloves during operation.

Servicebio® 1×PBS(pH 7.4)

Cat. No.: G4250

Product Information

Product Name	Cat. No.	Spec.
1×PBS (pH 7.4)	G4250-500ML	500 mL

Product Description

1×PBS, namely Phosphate Buffered Saline, is a widely used balanced salt solution in biological and biochemical research. It is commonly used for washing tissue blocks, rinsing cells, preparing other reagents, and as a diluent for cell counting. Ingredients: 1.06 mM KH2PO4, 154 mM NaCl, 5.60 mM Na2HPO4, pH 7.3-7.5@25°C, osmotic pressure 280-315 mOsm/kg. This product is sterile filtered through a 0.1 μm membrane and has been tested to be free of residual ribonucleases and proteases. It is suitable for routine microbiology, cell biology, molecular biology experiments, and more.

Storage and Shipping Conditions

.Store and transport at room temperature,valid for 24 months.

Note

1.This product has been sterilized through a 0.1 μm membrane filter. When using, please ensure aseptic operation to avoid bacterial contamination.

2.Wear laboratory clothing and disposable gloves during operation.

Servicebio® PBS (phosphate buffered saline), 10×

Cat No. G4207

Product content

Name	Cat No.	Size
PBS (phosphate buffered saline), 10×	G4207-500ML	500 mL

Product description

PBS (phosphate buffered saline) is a balanced salt solution used in cell culture manufacturing and upstream process development. PBS acts as a buffer to help maintain pH in cell culture media. PBS is well suited for washing cells before dissociation, transporting cells or tissue, diluting cells for counting, and preparing reagents. PBS is formulated without calcium and magnesium. This product is 10 folds concentrated forms and require dilution before use.

Servicebio balanced salt solutions are manufactured at a cGMP-compliant facility using water for injection, filtered through final 0.1 µm sterile filtration and aseptic filled in a Hundred-stage FFU. The filter integrity tests are performed before and after filtration. Each lot of PBS solutions are subjected to sterility test, pH, osmolality and endotoxin.

The major character of PBS is as follows:

- 27 mM KCl, 20 mM KH_2PO_4, 1370 mM NaCl, 100 mM Na_2HPO_4, pH 7.0-7.5@25℃ after diluted to 1× PBS.
- Without calcium, magnesium, phenol red.

The complete formulation is available.

Storage

Storage conditions: Room temperature

Shipping conditions: Room temperature

Shelf life: 24 months from date of manufacture

Servicebio® PBS (Phosphate Buffered Saline), 1×

Cat. No.: G4202-500ML

Product Content

Name	Cat No.	Size
PBS (Phosphate Buffered Saline), 1×	G4202-100ML	100 mL
	G4202-500ML	500 mL

Product Description

PBS (phosphate buffered saline) is a balanced salt solution used in cell culture manufacturing and upstream process development. PBS acts as a buffer to help maintain pH in cell culture media. PBS is well suited for washing cells before dissociation, transporting cells or tissue, diluting cells for counting, and preparing reagents. PBS is formulated without calcium and magnesium.

Servicebio balanced salt solutions are manufactured at a cGMP-compliant facility using water for injection, filtered through final 0.1 μm sterile filtration and aseptic filled in a Hundred-stage FFU. The filter integrity tests are performed before and after filtration. Each lot of PBS solutions are subjected to sterility test, pH, osmolality and endotoxin.

The major character of PBS is as follows:

- 2.7 mM KCl, 2.0 mM KH_2PO_4, 137 mM NaCl, 10 mM Na_2HPO_4, pH 7.2-7.5@25℃。
- Without calcium, magnesium, phenol red.

The complete formulation is available.

Storage

Storage conditions: Room temperature
Shipping conditions: Room temperature
Shelf life: 24 months from date of manufacture

Servicebio® PBS (Phosphate Buffered Saline), 1×

Cat. No.: G4202-500ML

Product Content

Name	Cat No.	Size
PBS (Phosphate Buffered Saline), 1×	G4202-100ML	100 mL
	G4202-500ML	500 mL

Product Description

PBS (phosphate buffered saline) is a balanced salt solution used in cell culture manufacturing and upstream process development. PBS acts as a buffer to help maintain pH in cell culture media. PBS is well suited for washing cells before dissociation, transporting cells or tissue, diluting cells for counting, and preparing reagents. PBS is formulated without calcium and magnesium.

Servicebio balanced salt solutions are manufactured at a cGMP-compliant facility using water for injection, filtered through final 0.1 μm sterile filtration and aseptic filled in a Hundred-stage FFU. The filter integrity tests are performed before and after filtration. Each lot of PBS solutions are subjected to sterility test, pH, osmolality and endotoxin.

The major character of PBS is as follows:

- 2.7 mM KCl, 2.0 mM KH_2PO_4, 137 mM NaCl, 10 mM Na_2HPO_4, pH 7.2-7.5@25℃。
- Without calcium, magnesium, phenol red.

The complete formulation is available.

Storage

Storage conditions: Room temperature
Shipping conditions: Room temperature
Shelf life: 24 months from date of manufacture

Servicebio®1X PBS buffer (Ready-to-Use)

Cat. #: G2156

Product Information

Product Name	Cat. No.	Spec.
1X PBS buffer (Ready-to-Use)	G2156-1L	1 L

Product Information

This product is 1×PBS buffer, ready to use, the main components are 10 mM sodium phosphate, 150 mM NaCl, pH 7.2-7.6 @ 25 ℃. It is suitable for rinsing and containment solution preparation during ELISA, Western Blot (WB) immunoblotting, immunohistochemistry, immunofluorescence and other immuno-related experiments, etc. It can be added with descaling agent (e.g., Tween 20, etc.) according to the specific experimental requirements. For alkaline phosphatase AP labelling system, please choose TBS buffer to avoid the effect of PBS on alkaline phosphatase.

Storage and Shipping Conditions

Ship and store at room temperature, valid for 12 months.

Note

1. This product is not aseptic.
2. It is recommended to use as soon as possible after opening and can also be stored at 4℃.
3. This product does not contain potassium ions, if you need a phosphate buffer containing potassium ions, we recommend **G4202**.
4. Please wear a lab coat and disposable gloves during operation.

Servicebio® Phosphate Buffered Saline (PBS, Powder)

Cat #: G0002

Product Information

Product Name	Cat. No.	Spec.
Phosphate Buffered Saline (PBS, Powder)	G0002-2L	2 L
	G0002-15	15 bags, powder
	G0002-10L	10 L
	G0002-20L	20 L

Product Description/Introduction

This product PBS buffer (dry powder), Phosphate Buffered Saline (PBS, Powder), is available in different sizes and packages of dry powder, which can be formulated into different volumes of PBS buffer. The main components of the prepared PBS buffer were 10 mM sodium phosphate, 150 mM NaCl, pH 7.2-7.4 @ 25°C. The solution can be used for rinsing and blocking solution preparation in ELISA, Western Blot (WB), immunohistochemistry, immunofluorescence and other immune-related experiments, with the addition of descaling agents (e.g., Tween 20, etc.) at the required concentration according to the specific experimental requirements. Note that for experiments related to alkaline phosphatase AP labeling system, please choose TBS buffer to avoid the effect of PBS on alkaline phosphatase. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0002-2L, each bag of powder can be prepared 2 L PBS buffer.

G0002-15, containing 15 bags of 2 L size powder.

G0002-10L, each bag of powder can be prepared 10 L PBS buffer.

G0002-20L, each bag of powder can prepare 20 L PBS buffer.

If it is necessary to formulate into PBST buffer, add 0.5 mL of Tween-20 to the prepared PBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× PBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. This product does not contain potassium ions. If phosphate buffer containing potassium ions is needed, G4202 is recommended.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Phosphate Buffered Saline (PBS, Powder)

Cat #: G0002

Product Information

Product Name	Cat. No.	Spec.
Phosphate Buffered Saline (PBS, Powder)	G0002-2L	2 L
	G0002-15	15 bags, powder
	G0002-10L	10 L
	G0002-20L	20 L

Product Description/Introduction

This product PBS buffer (dry powder), Phosphate Buffered Saline (PBS, Powder), is available in different sizes and packages of dry powder, which can be formulated into different volumes of PBS buffer. The main components of the prepared PBS buffer were 10 mM sodium phosphate, 150 mM NaCl, pH 7.2-7.4 @ 25°C. The solution can be used for rinsing and blocking solution preparation in ELISA, Western Blot (WB), immunohistochemistry, immunofluorescence and other immune-related experiments, with the addition of descaling agents (e.g., Tween 20, etc.) at the required concentration according to the specific experimental requirements. Note that for experiments related to alkaline phosphatase AP labeling system, please choose TBS buffer to avoid the effect of PBS on alkaline phosphatase. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0002-2L, each bag of powder can be prepared 2 L PBS buffer.

G0002-15, containing 15 bags of 2 L size powder.

G0002-10L, each bag of powder can be prepared 10 L PBS buffer.

G0002-20L, each bag of powder can prepare 20 L PBS buffer.

If it is necessary to formulate into PBST buffer, add 0.5 mL of Tween-20 to the prepared PBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× PBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. This product does not contain potassium ions. If phosphate buffer containing potassium ions is needed, G4202 is recommended.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Phosphate Buffered Saline (PBS, Powder)

Cat #: G0002

Product Information

Product Name	Cat. No.	Spec.
Phosphate Buffered Saline (PBS, Powder)	G0002-2L	2 L
	G0002-15	15 bags, powder
	G0002-10L	10 L
	G0002-20L	20 L

Product Description/Introduction

This product PBS buffer (dry powder), Phosphate Buffered Saline (PBS, Powder), is available in different sizes and packages of dry powder, which can be formulated into different volumes of PBS buffer. The main components of the prepared PBS buffer were 10 mM sodium phosphate, 150 mM NaCl, pH 7.2-7.4 @ 25°C. The solution can be used for rinsing and blocking solution preparation in ELISA, Western Blot (WB), immunohistochemistry, immunofluorescence and other immune-related experiments, with the addition of descaling agents (e.g., Tween 20, etc.) at the required concentration according to the specific experimental requirements. Note that for experiments related to alkaline phosphatase AP labeling system, please choose TBS buffer to avoid the effect of PBS on alkaline phosphatase. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0002-2L, each bag of powder can be prepared 2 L PBS buffer.

G0002-15, containing 15 bags of 2 L size powder.

G0002-10L, each bag of powder can be prepared 10 L PBS buffer.

G0002-20L, each bag of powder can prepare 20 L PBS buffer.

If it is necessary to formulate into PBST buffer, add 0.5 mL of Tween-20 to the prepared PBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× PBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. This product does not contain potassium ions. If phosphate buffer containing potassium ions is needed, G4202 is recommended.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Phosphate Buffered Saline (PBS, Powder)

Cat #: G0002

Product Information

Product Name	Cat. No.	Spec.
Phosphate Buffered Saline (PBS, Powder)	G0002-2L	2 L
	G0002-15	15 bags, powder
	G0002-10L	10 L
	G0002-20L	20 L

Product Description/Introduction

This product PBS buffer (dry powder), Phosphate Buffered Saline (PBS, Powder), is available in different sizes and packages of dry powder, which can be formulated into different volumes of PBS buffer. The main components of the prepared PBS buffer were 10 mM sodium phosphate, 150 mM NaCl, pH 7.2-7.4 @ 25°C. The solution can be used for rinsing and blocking solution preparation in ELISA, Western Blot (WB), immunohistochemistry, immunofluorescence and other immune-related experiments, with the addition of descaling agents (e.g., Tween 20, etc.) at the required concentration according to the specific experimental requirements. Note that for experiments related to alkaline phosphatase AP labeling system, please choose TBS buffer to avoid the effect of PBS on alkaline phosphatase. This product powder is fine, dissolve quickly and easy to use.

Storage and Shipping Conditions

Ship at room temperature, store in dry place, valid for 24 months.

Assay Protocol/Procedures

G0002-2L, each bag of powder can be prepared 2 L PBS buffer.

G0002-15, containing 15 bags of 2 L size powder.

G0002-10L, each bag of powder can be prepared 10 L PBS buffer.

G0002-20L, each bag of powder can prepare 20 L PBS buffer.

If it is necessary to formulate into PBST buffer, add 0.5 mL of Tween-20 to the prepared PBS buffer at the ratio of 0.5 mL of Tween-20 per 1 L of solution to obtain 1× PBST buffer containing 0.05% Tween.

Note

1. Use quickly after dissolving.
2. This product does not contain potassium ions. If phosphate buffer containing potassium ions is needed, G4202 is recommended.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® Goat Anti-Mouse IgG H&L (HRP)

Cat No.: G1214-100UL

Product Information

Product Name	Cat.No.	Spec.
Goat Anti-Mouse IgG H&L (HRP)	G1214-100UL	100 μL

Description

Goat Anti-Mouse IgG H&L (HRP) is a molecule for horseradish peroxidase (HRP) conjugated goat anti-mouse IgG, imported and packaged independently, which can be used for IHC, Western blotting and other experiments. This product is suitable for primary antibody of rabbit origin. In IHC and Western blotting experiments, Goat Anti-mouse IgG H&L labeled with HRP was combined with mouse-derived primary antibody (reacted with antigen first) and then reacted with DAB.DAB is the substrate of horseradish peroxidase (HRP). Under the catalysis of HRP, DAB produces brown precipitation to realize signal amplification and chromogenic.

Storage and Handling Conditions

Transport with wet ice. Store at -20°C, valid for 12 months

Component

Component	G1214-100UL
Goat Anti-Mouse IgG H&L (HRP)	100 μL
Manual	1 pc

Assay Protocol

1. For Western blotting or IHC experiments, please refer to the relevant experimental steps. ;
2. Dilution ratio of 1:200 was recommended for IHC detection;
3. Dilution ratio of 1:5000 was recommended for Western blotting detection;
4. Adjust according to the actual chromogenic situation.

Note

Please wear experimental suits and disposable gloves when operation.

Servicebio® Goat Anti-Rabbit IgG H&L (HRP)

Cat No.: G1213-100UL

Product Information

Product Name	Cat.No.	Spec.
Goat Anti-Rabbit IgG H&L (HRP)	G1213-100UL	100 μL

Description

Goat Anti-Rabbit IgG H&L (HRP) is a molecule for horseradish peroxidase (HRP) conjugated goat anti-rabbit IgG, imported and packaged independently, which can be used for IHC, Western blotting and other experiments. This product is suitable for primary antibody of rabbit origin. In IHC and Western blotting experiments, Goat Anti-Rabbit IgG (H+L) labeled with HRP was combined with rabbit-derived primary antibody (reacted with antigen first) and then reacted with DAB. DAB is the substrate of horseradish peroxidase (HRP). Under the catalysis of HRP, DAB produces brown precipitation to realize signal amplification and chromogenic.

Storage and Handling Conditions

Transport with wet ice. Store at -20°C, valid for 12 months.

Component

Component	G1213-100UL
Goat Anti-Rabbit IgG H&L (HRP)	100μL
Manual	1 pc

Assay Protocol

1. For Western blotting or IHC experiments, please refer to the relevant experimental steps;
2. Dilution ratio of 1:200 was recommended for IHC detection;
3. Dilution ratio of 1:5000 was recommended for Western blotting detection;
4. Adjust according to the actual chromogenic situation.

Note

Please wear experimental suits and disposable gloves when operation.

Servicebio® Immunohistochemistry Kit (Goat Anti-Mouse IgG H&L (HRP))

Cat No.: G1216-200T

Product Information

Product Name	Cat.No.	Spec.
Immunohistochemistry Kit (Goat Anti-Mouse IgG H&L (HRP))	G1216-200T	200T

Description

This Kit is a highly sensitive two-step Immunohistochemistry kit, which is suitable for the primary antibody derived from Mouses. The kit can be used in Western blot, and IHC applications. The color reaction principle is based on DAB reaction. Firstly, primary antibody of mouse origin binds to the antigen in test species. Then secondary antibody, HRP conjugated Goat Anti-Mouse IgG(H+L) combined with primary antibody. Next, DAB interacts with HRP, because DAB is the substrate of horseradish peroxidase (HRP). Under the catalysis of HRP, DAB produces Brown precipitation to realize signal amplification and color development.

Storage and Handling Conditions

Transport by wet ice; Secondary Antibody storage at -20°C; DAB diluent and 50×DAB stock solution storage at 4°C; Valid for 12 months.

Component

Component Number	Component	G1216-200T
G1216-1	DAB diluent	12.5 mL
G1216-2	50×DAB stock solution	250 μL
G1216-3	Goat Anti-Mouse IgG H&L (HRP)	100 μL
Instruction Manual		1 pc

Assay Protocol / Procedures

Preparation

1. Self-prepared PBS (recommended G4202, G0002), Nucleus counterstaining reagent (recommended hematoxylin stain solution G1004, hematoxylin differentiation solution G1039 Hematoxylin bluing solution G1040), gradient alcohol, xylene, sealing agent, etc.
2. Preparation of secondary antibody working solution: HRP-conjugated Goat Anti-Mouse IgG(H+L) was diluted with PBST (pH 7.2-7.4) in the ratio of 1:200 to obtain the secondary antibody working solution. Ready to use within 48 hours.
3. Prepare DAB color developing working solution: Add 20μL 50×DAB stock solution to every 1 ml DAB diluent , mix well and set aside. Prepared on demand, ready to use.

Operation steps

1. According to the routine IHC steps, after dewaxing, antigen repair, blocking and primary antibody incubation, the tissue sections were washed with PBS three times for 5 minutes each time.
2. Secondary antibody incubation: add 50-100μL secondary antibody working solution on each slice, completely covered the tissue and incubated at room temperature for 30-60 min. Wash three times with PBS for 5min each time.
3. DAB chromogenic reaction: add 50-100μL DAB working solution on each section, incubated at room

temperature for several minutes. The color developing time is controlled under the microscope. To the desired effect, and then immediately wash with water to terminate the color development.

4. (OPTIONAL)Nucleus counterstaining: the sections are counterstained with hematoxylin stain solution for about 3-5 minutes; washed with tap water; differentiated with hematoxylin differentiation solution for 3-5 seconds; washed with tap water; treated with hematoxylin bluing solution; washed with running water for 3-5 seconds.
5. Dehydration and mounting: Sections were dehydrated by gradient alcohol in the usual steps, transparent with xylene, and sealed with neutral gum.

Note

1. If the background is too deep during the IHC chromogenic reaction, consider to extend the washing time, use appropriate blocking solution for mounting, inactive the endogenous catalase, shorten the chromogenic reaction time, reduce the concentration of secondary antibodies, etc. If there is no chromogenic reaction or the chromogenic reaction is too light, the concentration of primary antibodies and secondary antibodies can be properly increased, the chromogenic reaction time can be extended. Second, secondary antibodies were tested for normal color development.
2. DAB is harmful to humans, when operating be careful, and be protected from direct contact or inhalation

Servicebio® Immunohistochemistry Kit (Goat Anti-Rabbit IgG H&L (HRP))

Cat. No.: G1215-200T

Product Information

Product Name	Cat.No.	Spec.
Immunohistochemistry Kit (Goat Anti-Rabbit IgG H&L (HRP))	G1215-200T	200 T

Description

This Kit is a highly sensitive two-step Immunohistochemistry kit, which is suitable for the primary antibody derived from Rabbit. The kit can be used in Western blot, and IHC applications. The color reaction principle is based on DAB reaction. Firstly, primary antibody of Rabbit origin binds to the antigen in test species. Then secondary antibody, Goat Anti-Rabbit IgG H&L (HRP) combined with primary antibody. Next, DAB interacts with HRP, because DAB is the substrate of horseradish peroxidase (HRP). Under the catalysis of HRP, DAB produces Brown precipitation to realize signal amplification and color development.

Storage and Handling Conditions

Transport by wet ice; Secondary Antibody storage at -20°C; DAB diluent and 50×DAB stock solution storage at 4°C; Valid for 12 months.

Component

Component Number	Component	G1215-200T
G1215-1	DAB diluent	12.5 mL
G1215-2	50×DAB stock solution	250 μL
G1215-3	Goat Anti-Rabbit IgG H&L (HRP)	100 μL
Instruction Manual		1 pc

Assay Protocol

Preparation

1. Self-prepared PBS (recommended G4202, G0002), Nucleus counterstaining reagent (recommended hematoxylin stain solution G1004, hematoxylin differentiation solution G1039 Hematoxylin returning blue solution g1040), gradient alcohol, xylene, sealing agent, etc.
2. Preparation of secondary antibody working solution: Goat Anti-Rabbit IgG H&L (HRP) was diluted with PBST (pH 7.2-7.4) in the ratio of 1:200 to obtain the secondary antibody working solution. Ready to use within 48 hours.
3. Prepare DAB color developing working solution: Add 20μL 50×DAB stock solution to every 1 ml DAB diluent , mix well and set aside. Prepared on demand, ready to use.

Operation Steps

1. According to the routine IHC steps, after dewaxing, antigen repair, blocking and primary antibody incubation, the tissue sections were washed with PBS three times for 5 minutes each time.
2. Secondary antibody incubation: add 50-100μL secondary antibody working solution on each slice, completely covered the tissue and incubated at room temperature for 30-60 min. Wash three times with PBS for 5min each time.
3. DAB chromogenic reaction: add 50-100μL DAB working solution on each section, incubated at room temperature for several minutes. The color developing time is controlled under the microscope. To the desired effect, and then immediately wash with water to terminate the color development.
4. (OPTIONAL)Nucleus counterstaining: the sections are counterstained with hematoxylin stain solution for about 3-5 minutes; washed with tap water; differentiated with hematoxylin differentiation solution for 3-5 seconds; washed with tap water; treated with hematoxylin bluing solution; washed with running water for 3-5 seconds.
5. Dehydration and mounting: Sections were dehydrated by gradient alcohol in the usual steps, transparent with xylene, and sealed with neutral gum.

Note

1. If the background is too deep during the IHC chromogenic reaction, consider to extend the washing time, use appropriate blocking solution for mounting, inactive the endogenous catalase, shorten the chromogenic reaction time, reduce the concentration of secondary antibodies, etc. If there is no chromogenic reaction or the chromogenic reaction is too light, the concentration of primary antibodies and secondary antibodies can be properly increased, the chromogenic reaction time can be extended. Second, secondary antibodies were tested for normal color development.
2. DAB is harmful to humans, when operating be careful, and be protected from direct contact or inhalation

Servicebio® Goat Anti-Mouse IgG H&L (HRP)

Cat No.: G1214-100UL

Product Information

Product Name	Cat.No.	Spec.
Goat Anti-Mouse IgG H&L (HRP)	G1214-100UL	100 μL

Description

Goat Anti-Mouse IgG H&L (HRP) is a molecule for horseradish peroxidase (HRP) conjugated goat anti-mouse IgG, imported and packaged independently, which can be used for IHC, Western blotting and other experiments. This product is suitable for primary antibody of rabbit origin. In IHC and Western blotting experiments, Goat Anti-mouse IgG H&L labeled with HRP was combined with mouse-derived primary antibody (reacted with antigen first) and then reacted with DAB.DAB is the substrate of horseradish peroxidase (HRP). Under the catalysis of HRP, DAB produces brown precipitation to realize signal amplification and chromogenic.

Storage and Handling Conditions

Transport with wet ice. Store at -20°C, valid for 12 months

Component

Component	G1214-100UL
Goat Anti-Mouse IgG H&L (HRP)	100 μL
Manual	1 pc

Assay Protocol

1. For Western blotting or IHC experiments, please refer to the relevant experimental steps. ;
2. Dilution ratio of 1:200 was recommended for IHC detection;
3. Dilution ratio of 1:5000 was recommended for Western blotting detection;
4. Adjust according to the actual chromogenic situation.

Note

Please wear experimental suits and disposable gloves when operation.

Servicebio® Goat Anti-Rabbit IgG H&L (HRP)

Cat No.: G1213-100UL

Product Information

Product Name	Cat.No.	Spec.
Goat Anti-Rabbit IgG H&L (HRP)	G1213-100UL	100 μL

Description

Goat Anti-Rabbit IgG H&L (HRP) is a molecule for horseradish peroxidase (HRP) conjugated goat anti-rabbit IgG, imported and packaged independently, which can be used for IHC, Western blotting and other experiments. This product is suitable for primary antibody of rabbit origin. In IHC and Western blotting experiments, Goat Anti-Rabbit IgG (H+L) labeled with HRP was combined with rabbit-derived primary antibody (reacted with antigen first) and then reacted with DAB. DAB is the substrate of horseradish peroxidase (HRP). Under the catalysis of HRP, DAB produces brown precipitation to realize signal amplification and chromogenic.

Storage and Handling Conditions

Transport with wet ice. Store at -20°C, valid for 12 months.

Component

Component	G1213-100UL
Goat Anti-Rabbit IgG H&L (HRP)	100μL
Manual	1 pc

Assay Protocol

1. For Western blotting or IHC experiments, please refer to the relevant experimental steps;
2. Dilution ratio of 1:200 was recommended for IHC detection;
3. Dilution ratio of 1:5000 was recommended for Western blotting detection;
4. Adjust according to the actual chromogenic situation.

Note

Please wear experimental suits and disposable gloves when operation.

Servicebio® Pure Water, Laboratory Use Only

Cat. # .: G4701-500ML

Product Information

Product Name	Cat. No.	Spec.
Pure Water, Laboratory Use Only	G4701-500ML	500 mL

Product Description/Introduction

This product is pure water prepared by EDI and distillation, sterilized by 0.1μm filter membrane. The electrical conductivity is less than 5.0 μs/cm, and the endotoxin is less than 0.25 EU/mL. It can be used for Cell experiments, molecular experiments, WB, IHC and other biological experiments.

Storage and Shipping Conditions

Ship and store at room temperature, valid for 36 months.

Note

1. The product is filtered and sterilized by 0.1μm filter membrane and can be used directly. Please pay attention to aseptic operation during use to avoid contamination.
2. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® DAB Chromogenic Kit

Cat No.: G1212-200T

Product Information

Product Name	Cat.No.	Spec.
DAB Chromogenic Kit	G1212-200T	200T

Description

DAB chromogenic kit, which will be obvious color by horseradish peroxidase (HRP), is used in experiments such as immunohistochemistry, in situ hybridization, and Western blotting (WB). DAB is a substrate for HRP, and produces a brown precipitate catalyzed by HRP, which is insoluble in water and ethanol. Therefore, subsequent dyeing with alcohol-soluble dyes can also be performed after DAB chromogenic reaction. In immunohistochemistry or situ hybridization experiments, this kit can detect a total of at least 200 samples using 50 μL of chromogenic solution for each sample.

Storage and Handling Conditions

Transport in wet ice; store at 2-8°C away from light, valid for 12 months.

Component

Component Number	Component	G1212-200T
G1212-1	DAB Diluent Solution	12.5 mL
G1212-2	50×DAB Stock Solution	250 μL
Manual		1 pc

Assay Protocol

1. Preparation of DAB working solution: 20 μL of 50×DAB stock solution is added to each 1 mL of DAB diluent solution. The resulting solution should be mixed well for use, which needs to be prepared and used immediately and be limited to use on the same day. It is not recommended to store it for a long time.
2. The DAB working solution is dropped directly on the processed immunohistochemical sections or WB membranes. Then the sections or membranes are incubated at room temperature in the dark for 3-30 min or longer until the desired color develops.
3. DAB working solution on sections and membranes should be removed, and the chromogenic reaction would be stopped by washing twice with PBS or distilled water.

1. If the background is too dark during immunohistochemistry, the following measures could be considered: prolonging the washing time, using an appropriate blocking solution for blocking, inactivating endogenous catalase, shorting the color development time, and reducing the concentration of secondary antibodies.
2. If there is no chromogenic reaction or the color is too light, the following measures could be considered: increasing the concentration of the primary antibody and the secondary antibody appropriately, prolonging the chromogenic reaction time, and checking whether the secondary antibody is normally chromogenic.
3. Please be careful when handling as DAB is harmful to the human body. It is necessary to take precautions to prevent DAB from coming into direct contact with the human body or being inhaled.
4. It is recommended to wear a lab coat and disposable gloves when operating.

Permeabilization Solution

Cat.No. : G1204-100ML

Brand : Servicebio

Spec.: 100 mL

Product Introduction

Product Information

Product Name	Cat.No.	Spec.
PermeabilizationSolution	G1204-100ML	100 mL

Description

A membrane breaker is used to treat the cell membrane before staining for intracellular cytokines or proteins. It can create holes in the cell membrane so that dyes or antibodies can enter the cell. Commonly used membrane breaking methods mainly consist of organic solvents, such as methanol and acetone, etc. These solvents mainly achieve fixation and membrane breaking by dissolving membrane lipids and condensing membrane proteins. Descaling agents, such as Triton X-100 and Saponin, can also be used to achieve membrane breaking through non-specific membrane lysis.

The active component of the solution was 0.5% Triton X-100, which was used to permeate the cell membrane before staining or immunolabelling.

Storage and Handling Conditions

Wet ice transportation; Store at 4℃, valid for 12 months.

Assay Protocol

1. For tissue sections: After fixation and washing, add broken membrane solution to cover the tissue, incubate at room temperature for 20-30 min, and then place the glass slides in PBS (G4202) and shake them on a decolorization shaker for 3 times, 5 min each time. You can proceed to the next step.

2. For the cells in the well plate: after fixing and washing, drop the membrane breaking solution to cover the cells, incubate at room temperature for 10-20 min, and then wash with PBS for 3 times, 5 min each time.

Note:

1. For cell samples, if Triton X-100 less than 0.5% is required, the product can be diluted with PBS buffer before use.

2. For the samples that are difficult to penetrate, the processing time can be extended as appropriate.

3. Wear a lab coat and disposable gloves during operation.

Servicebio® BioDewax and Clear Solution

Cat. No.: G1128

Product Information

Product Name	Cat.No.	Spec.
BioDewax and Clear Solution	G1128-500ML	500 mL
	G1128-1L	1 L

Description

BioDewax and Clear Solution is used as transparent agent of tissue block and dewaxing agent of paraffin section in histopathological morphology. Paraffin is an organic compound, and xylene is the most commonly used dewaxing agent according to the similarity compatibility principle. But xylene is very volatile, has a pungent smell, and is carcinogenic. This product can be compatible with paraffin wax, colorless and tasteless, volatilization rate is very low, non-corrosive to equipment, BioDewax and Clear Solution can replace xylene as paraffin wax section dewaxing agent. Because of its very low volatility and colorless and tasteless, it can greatly improve the experimental working environment, protect the health of operators, is an ideal environmental protection dewaxing transparent agent.

Storage and Handling Conditions

Store and transport at room temperature. Valid for 24 months.

Usage

1. Transparent tissue blocks before embedding: Fully dehydrated tissue blocks are immersed in 5-10 times the volume of this product, and transparent for 1-4 h according to the size of tissue blocks. It is recommended to be transparent in two steps. Then routine paraffin immersion and embedding.
2. For section dewaxing: Dip the paraffin section into this product and dewaxing it at room temperature for 20-30 min according to section thickness. It is suggested to take two steps to ensure thorough dewaxing. Then the sections were rehydrated by anhydrous ethanol and gradient ethanol, followed by special staining or immunohistochemical labeling.
3. This product can also be used for dewaxing liquid in automatic immunohistochemical instrument.

Note

1. It can 't be used for tissue section before sealing transparent.
2. When used as a transparent agent for tissue blocks and dewaxing agent for tissue slices, it should be replaced regularly according to the frequency and time of use, so as not to affect the transparency and dewaxing effect.
3. BioDewax and Clear Solution lower temperature in winter may affect the dewaxing effect, it is recommended to heat up to 37℃ for dewaxing.
4. Please wear lab coat and disposable gloves during operation.

Servicebio® BioDewax and Clear Solution

Cat. No.: G1128

Product Information

Product Name	Cat.No.	Spec.
BioDewax and Clear Solution	G1128-500ML	500 mL
	G1128-1L	1 L

Description

BioDewax and Clear Solution is used as transparent agent of tissue block and dewaxing agent of paraffin section in histopathological morphology. Paraffin is an organic compound, and xylene is the most commonly used dewaxing agent according to the similarity compatibility principle. But xylene is very volatile, has a pungent smell, and is carcinogenic. This product can be compatible with paraffin wax, colorless and tasteless, volatilization rate is very low, non-corrosive to equipment, BioDewax and Clear Solution can replace xylene as paraffin wax section dewaxing agent. Because of its very low volatility and colorless and tasteless, it can greatly improve the experimental working environment, protect the health of operators, is an ideal environmental protection dewaxing transparent agent.

Storage and Handling Conditions

Store and transport at room temperature. Valid for 24 months.

Usage

1. Transparent tissue blocks before embedding: Fully dehydrated tissue blocks are immersed in 5-10 times the volume of this product, and transparent for 1-4 h according to the size of tissue blocks. It is recommended to be transparent in two steps. Then routine paraffin immersion and embedding.
2. For section dewaxing: Dip the paraffin section into this product and dewaxing it at room temperature for 20-30 min according to section thickness. It is suggested to take two steps to ensure thorough dewaxing. Then the sections were rehydrated by anhydrous ethanol and gradient ethanol, followed by special staining or immunohistochemical labeling.
3. This product can also be used for dewaxing liquid in automatic immunohistochemical instrument.

Note

1. It can 't be used for tissue section before sealing transparent.
2. When used as a transparent agent for tissue blocks and dewaxing agent for tissue slices, it should be replaced regularly according to the frequency and time of use, so as not to affect the transparency and dewaxing effect.
3. BioDewax and Clear Solution lower temperature in winter may affect the dewaxing effect, it is recommended to heat up to 37℃ for dewaxing.
4. Please wear lab coat and disposable gloves during operation.

Servicebio® Hematoxylin Solution

Cat No.: G1004-100ML

Product Information

Product Name	Cat.No.	Specification
Hematoxylin Solution	G1004-100mL	100 mL
	G1004-500mL	500 mL

Description

Hematoxylin is usually used in combination with eosin for staining, i.e. HE staining. Hematoxylin is oxidized to produce hematoxylin, a basic dye used in histology for staining cell nuclei. The basic principle of staining is that DNA, the main component of chromatin in the nucleus, is negatively charged and acidic, and can easily be stained by combining with the alkaline, positively charged hematoxylin dye.

This hematoxylin stain, hematoxylin concentration of 0.5%, can be used with eosin stain (G1001 or G1002) for HE staining of tissues or cells, and the stained nuclei are distinctly blue or blue-purple.

Storage and Transportation

Storage and transportation at room temperature, valid for 18 months.

Product Content

Component	G1004-100ML	G1004-500ML
Hematoxylin Solution	100 mL	500 mL
Manual	1 pc	

Pre-experimental Preparation

Prepare your own hematoxylin fractionation solution (recommended G1039), hematoxylin reblue solution (recommended G1040), xylene, gradient ethanol, anhydrous ethanol, and neutral gum.

Procedure

1. Sample pre-treatment

(1) For paraffin sections: sections are dewaxed in xylene for 10 min, replaced with fresh xylene for 10 min, anhydrous ethanol for 5 min, fresh anhydrous ethanol for 5 min, 90% ethanol for 5 min, 75% ethanol for 5 min, and washed with tap water.

(2) For frozen sections: Frozen sections stored at -20°C need to be rested for 5-10 min to recover to room

temperature.

2. Hematoxylin staining

The above treated sections were directly stained into hematoxylin staining solution for 3-5 min and washed with tap water; then stained by hematoxylin differentiation solution for 2-5 s and washed with tap water; hematoxylin reblue solution for 2-5 s and washed with tap water. The nuclei were observed to be blue under the microscope, and the tissue background was nearly colorless. The sections were then dehydrated sequentially by 70%, 80%, 95%, and 100% ethanol for about 3 min each. The sections were then dehydrated in fresh anhydrous ethanol for 3 min, transparent in xylene for 5 min, and replaced with fresh xylene for another 5 min. Finally, the sections were sealed with neutral gum.

Note: If used for re-staining after immunohistochemistry and other staining, please perform eosin staining after the other staining is completed.

Note

1. Hematoxylin staining solution can be reused several times and should be stored in a sealed container after each use to prevent evaporation of the active ingredients. When the tissue or cell coloring is obviously light or abnormal, please replace the staining solution with a new one.
2. A small amount of oxide film on the surface of the stain is normal and does not affect the staining result. If a large amount of oxide film appears on the surface of the staining solution, it is recommended to change to a new hematoxylin staining solution.
3. Please wear lab coat and disposable gloves during operation.

Servicebio® Hematoxylin Solution

Cat No.: G1004-100ML

Product Information

Product Name	Cat.No.	Specification
Hematoxylin Solution	G1004-100mL	100 mL
	G1004-500mL	500 mL

Description

Hematoxylin is usually used in combination with eosin for staining, i.e. HE staining. Hematoxylin is oxidized to produce hematoxylin, a basic dye used in histology for staining cell nuclei. The basic principle of staining is that DNA, the main component of chromatin in the nucleus, is negatively charged and acidic, and can easily be stained by combining with the alkaline, positively charged hematoxylin dye.

This hematoxylin stain, hematoxylin concentration of 0.5%, can be used with eosin stain (G1001 or G1002) for HE staining of tissues or cells, and the stained nuclei are distinctly blue or blue-purple.

Storage and Transportation

Storage and transportation at room temperature, valid for 18 months.

Product Content

Component	G1004-100ML	G1004-500ML
Hematoxylin Solution	100 mL	500 mL
Manual	1 pc	

Pre-experimental Preparation

Prepare your own hematoxylin fractionation solution (recommended G1039), hematoxylin reblue solution (recommended G1040), xylene, gradient ethanol, anhydrous ethanol, and neutral gum.

Procedure

1. Sample pre-treatment

(1) For paraffin sections: sections are dewaxed in xylene for 10 min, replaced with fresh xylene for 10 min, anhydrous ethanol for 5 min, fresh anhydrous ethanol for 5 min, 90% ethanol for 5 min, 75% ethanol for 5 min, and washed with tap water.

(2) For frozen sections: Frozen sections stored at -20°C need to be rested for 5-10 min to recover to room

temperature.

2. Hematoxylin staining

The above treated sections were directly stained into hematoxylin staining solution for 3-5 min and washed with tap water; then stained by hematoxylin differentiation solution for 2-5 s and washed with tap water; hematoxylin reblue solution for 2-5 s and washed with tap water. The nuclei were observed to be blue under the microscope, and the tissue background was nearly colorless. The sections were then dehydrated sequentially by 70%, 80%, 95%, and 100% ethanol for about 3 min each. The sections were then dehydrated in fresh anhydrous ethanol for 3 min, transparent in xylene for 5 min, and replaced with fresh xylene for another 5 min. Finally, the sections were sealed with neutral gum.

Note: If used for re-staining after immunohistochemistry and other staining, please perform eosin staining after the other staining is completed.

Note

1. Hematoxylin staining solution can be reused several times and should be stored in a sealed container after each use to prevent evaporation of the active ingredients. When the tissue or cell coloring is obviously light or abnormal, please replace the staining solution with a new one.
2. A small amount of oxide film on the surface of the stain is normal and does not affect the staining result. If a large amount of oxide film appears on the surface of the staining solution, it is recommended to change to a new hematoxylin staining solution.
3. Please wear lab coat and disposable gloves during operation.

Servicebio® Blocking Buffer (Special Use for Goat-Derived Antibody)

Cat #: G2010-100ML

Product Information

Product Name	Cat. No.	Spec.
Blocking Buffer (Special Use for Goat-Derived Antibody)	G2010-100ML	100 mL

Product Description/Introduction

This product is used to block samples in immunolabeling experiments. It is especially suitable for the dilution of the goat-derived primary antibody with deep background and can effectively attenuate the background staining.

Storage and Shipping Conditions

Ship with wet ice; Store at 2-8℃, valid for 12 months. Store at -20℃ if not used for a long time.

Assay Protocol/Procedures

1. Blocking goat-derived primary antibodies can reduce background.
2. Dilute the primary antibody in the appropriate proportion according to the instructions for its use and the content of the target protein in the sample. The diluted primary antibody can be directly used for western blotting and immunostaining.

Note

1. This product is suitable for the blocking of goat derived antibodies and for the dilution of primary antibodies.
2. This product is sterilized by 0.22μm filtration and avoid bacterial contamination during use. Use up within 2 weeks after opening the cap or store the remaining solution in the freezer.
3. If crystals appear, please place in 37℃ water bath until completely dissolved.
4. This product is for research use only, not for clinical diagnosis or treatment.
5. For your safety and health, please wear safety glasses, gloves, or protective clothing.

Servicebio® 20×Tris-EDTA Antigen Retrieval Solution (pH 8.0)

Cat. No.: G1206-250ML

Product Information

Product Name	Cat.No.	Spec.
20×Tris-EDTA Antigen Retrieval Solution(pH 8.0)	G1206-250ML	250 mL

Description

Immobilization of cells or tissues with paraformaldehyde, formaldehyde or other aldehyde reagents results in cross-linking of proteins, obscuring the antigenic site of the sample, leading to diminished staining signals during immunostaining and even false positive staining results.The protein crosslinking caused by aldehydes is reversible. Under certain conditions, such as high temperature or protease hydrolysis, the original conformation of the protein can be restored. This process is antigen retrieval. Antigen repair is a key step in the process of immunohistochemistry. There are many kinds of antigen repair methods. Different methods can be selected according to the characteristics of tissue types. Some are suitable for thermal repair and some are suitable for enzymatic repair. There are also many different choices to pH value of antigen repair solution due to the characteristics of antigen. The company provides a variety of antigen repair solutions with different pH values, which can meet the needs of a variety of antigen repair.

This product 20×Tris-EDTA repair solution (pH 8.0) is a concentrated repair solution. The main component of the product is 20 mM EDTA. After 20 times dilution, a solution contained 1.0 mM EDTA with pH 8.0 can be obtained.

Storage and Handling Conditions

Normal temperature storage and transportation; Valid for 12 months

Assay Protocol

Mix 10 mL 20×Tris-EDTA antigen repair solution(pH 8.0) with 190 mL distilled water to obtain 1× antigen repair solution contained 1.0 mM EDTA.with pH 8.0.

Note

1. This product is a concentrated solution and needs to be diluted before use. It is recommended to use up the diluted buffer on the same day and store it briefly at 4℃.
2. Please select the appropriate antigen repair solution according to the experimental needs and antigen characteristics. If acidic or weakly alkaline repair solution is required, refer to G1202 and G1203.
3. Please wear lab coat and disposable gloves to operate.

Servicebio® 20×Tris-EDTA Antigen Retrieval Solution (pH 9.0)

Cat No.: G1203-250ML

Product Information

Product Name	Cat.No.	Spec.
20×Tris-EDTA Antigen Retrieval Solution(pH 9.0)	G1203-250ML	250 mL

Description

Immobilization of cells or tissues with paraformaldehyde, formaldehyde or other aldehyde reagents results in cross-linking of proteins, obscuring the antigenic site of the sample, leading to diminished staining signals during immunostaining and even false positive staining results.The protein crosslinking caused by aldehydes is reversible. Under certain conditions, such as high temperature or protease hydrolysis, the original conformation of the protein can be restored. This process is antigen retrieval. Antigen repair is a key step in the process of immunohistochemistry. There are many kinds of antigen repair methods. Different methods can be selected according to the characteristics of tissue types. Some are suitable for thermal repair and some are suitable for enzymatic repair. There are also many different choices to pH value of antigen retrieval solution due to the characteristics of antigen. The company provides a variety of antigen retrieval solutions with different pH values, which can meet the needs of a variety of antigen repair.

This product 20×Tris-EDTA Antigen Retrieval Solution (pH 9.0) is a concentrated repair solution. The main component of the product is 20 mM EDTA. After 20 times dilution, a solution contained 1.0 mM EDTA with pH 9.0 and A can be obtained, which can be used for antigen repair.

Storage and Handling Conditions

Room temperature storage and transportation; Valid for 12 months

Assay Protocol

Mix 10 mL 2×Tris-EDTA Antigen Retrieval Solution (pH 9.0) with 190 mL distilled water to obtain 1× antigen retrieval solution with pH 9.0 and containg 1.0 mM EDTA.

Note

1. This product is a concentrated solution and needs to be diluted before use. It is recommended to use up the diluted buffer on the same day and store it briefly at 4 ℃.
2. Please select the appropriate antigen retrieval solution according to the experimental needs and antigen characteristics. If acidic or weakly alkaline repair solution is required, refer to **G1202 and G1206**.
3. Please wear lab coat and disposable gloves to operate.

Servicebio®20× Citric Acid Antigen-Retrieval Solution (pH 6.0)

Cat No.: G1202-250ML

Product Information

Product Name	Cat.No.	Spec.
20× Citric Acid Antigen-Retrieval Solution (pH 6.0)	G1202-250ML	250 mL

Description

After cells or tissues are fixed with paraformaldehyde, formalin or other aldehyde reagents, the formation of aldehyde bond and carboxymethyl bond of antigen determinant, as well as the cross-linking of protein quality control, cause the change of protein spatial structure, so that the antigen determinant is closed, and the binding point between antigen and antibody is reduced. Finally, the positive detection rate and staining intensity of antigen during immune labeling are relatively weak, showing false negative or low positive rate. The protein cross-linking caused by aldehydes is reversible. Under certain conditions, such as high temperature or protease hydrolysis, the original conformation of the protein can be restored. This process is antigen retrieval. Antigen repair is a key step in immunohistochemistry. There are many methods for antigen repair, and different methods can be selected according to the characteristics of the tissue type. Some are suitable for thermal repair, while others are suitable for enzymatic repair. The pH value of antigen repair solution also has many different choices due to the characteristics of antigen. The company provides a variety of antigen retrieval solutions with different pH values, which can meet the needs of a variety of antigen repair.

This product 20 × Citric acid antigen retrieval solution (pH 6.0) is a concentrated citric acid buffer solution. The main component of the product is 200 mM citric acid buffer solution. After 20 times of dilution, a citric acid buffer solution with pH 6.0 and concentration of 10 mM can be obtained, which can be used for antigen repair.

Storage and Handling Conditions

Room temperature storage and transportation; Valid for 12 months.

Assay Protocol

Every 10 mL of 20× citric acid antigen retrieval solution (pH 6.0) was mixed with 190 mL distilled water to obtain 1× citric acid antigen retrieval solution with a concentration of 10 mM and a pH of 6.0.

Note:

1. This product is a concentrated solution, which needs to be diluted before use. The diluted buffer is recommended to be used up on the same day and can be stored briefly at 4 ° C.
2. Select appropriate antigen retrieval solution according to experimental requirements and antigen characteristics. If you need alkaline repair solution, refer to **G1203, G1206**.
3. Wear a lab coat and disposable gloves during operation.

Citric Acid Repair Buffer (Dry Powder)

Cat.No. : G1201-5L

Brand : Servicebio

Spec.:

- 100 mL (Pepsin Antigen Repair Solution)
- 500 mL (Pepsin Antigen Repair Solution)
- 5 L (Citric Acid Repair Buffer (Dry Powder))
- 250 mL (20× Citric Acid Antigen-Retrieval Solution (pH 6.0))
- 250 mL (20× Tris-EDTA Antigen Retrieval Solution (pH 9.0))
- 250 mL (20× Tris-EDTA Antigen Retrieval Solution (pH 8.0))

Product Introduction

ProductInformation

ProductName	Cat. No.	Spec.
Citric Acid Repair Buffer (Dry Powder)	G1201-5L	5 L

Product Description

After cells or tissues are fixed by paraformaldehyde, formalin or other aldehyde reagents, the antigenic determinants form aldehyde bonds, carboxymethyl bonds, and cross-linking between proteins, etc., causing changes in the spatial structure of the protein
, so that t
he antigenic determinants are blocked, and the binding sites of the antigen and the antibody are reduced, which ultimately leads to a relatively weak positive detection rate and staining intensity of the antigen during immunolabeling, showing false negative or low positive rate. The protein cross-linking caused by aldehydes is reversible, and the original conformation of the protein can be restored under certain conditions such as high temperature or protease hydrolysis. This process is antigen retrieval. Antigen repair is a key step in the process of immunohistochemistry. There are many kinds of antigen repair methods. According to the characteristics of tissue types, different methods can be selected. Some are suitable for thermal repair, and some are suitable for enzymatic repair. The pH of the antigen repair solution also has many different choices due to the characteristics of the antigen. The company provides a variety of antigen repair solutions with different pH to meet a variety of antigen repair needs.

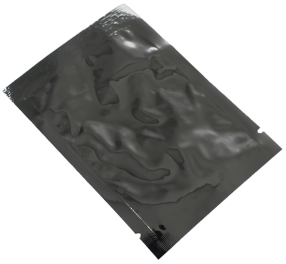
This product is a citric acid repair buffer, which is dry powder. After dissolving in5000
mL water, a citric acid buffer with pH 6.0 and a concentration of 10 mM can be obtained, which can be used for antigen repair.

Storage andShipping Conditions

Transport at room temperature; preserved in a cool and dry place, valid for 24 months.

Assay Protocol

Each packet of citric acid repair buffer (dry powder) is dissolved and clarified with 1000 mL of distilled water and can be used.



Citric Acid Repair Buffer (Dry Powder)

It is suitable for repairing brain, spinal cord, liver and other tissues with deep background. Cell membrane and cytoplasmic proteins; Primary antibody is multiple antibody; Repair intensity: EDTA pH9.0 > EDTA pH8.0 > Citric acid

Cat.No. : G1201-1L

Brand : Servicebio

Spec.: 1 L (Powder)

Product Introduction

ProductInformation

ProductName	Cat. No.	Spec.
Citric Acid Repair Buffer (Dry Powder)	G1201-1L	1 L

Product Description

After cells or tissues are fixed by paraformaldehyde, formalin or other aldehyde reagents, the antigenic determinants form aldehyde bonds, carboxymethyl bonds, and cross-linking between proteins, etc., causing changes in the spatial structure of the protein

, so that t

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This product is a citric acid repair buffer, which is dry powder. After dissolving in 1000 mL water, a citric acid buffer with pH 6.0 and a concentration of 10 mM can be obtained, which can be used for antigen repair.

Storage andShipping Conditions

Transport at room temperature; preserved in a cool and dry place, valid for 24 months.

Assay Protocol

Each packet of citric acid repair buffer (dry powder) is dissolved and clarified with 1000 mL of distilled water and can be used.

Note

1. Use as soon as possible after dissolution, long-term storage is not recommended.
2. Please wear a laboratory coat and disposable gloves during operation.

Servicebio® Pepsin Antigen Repair Solution（Ready-to-use)

Cat. No.: G0142

Product Content

Product Name	Cat. No.	Spec.
Pepsin Antigen Repair Solution（Ready-to-use)	G0142-100ML	100 mL
	G0142-500ML	500 mL

Product Description

After cells or tissues are fixed with paraformaldehyde, formalin or other aldehyde reagents, due to the formation of aldehyde bonds and carboxymethyl bonds by antigenic determinants, as well as the cross-linking of protein quality inspection, etc., the spatial structure of proteins is changed, so that the antigenic determinants are closed, and the binding points of antigens and antibodies are reduced, which eventually leads to the relative weakening of the positive detection rate and staining intensity of antigens during immune labeling, showing false negative or low positive rate. The protein crosslinking caused by aldehydes is reversible. Under certain conditions, such as high temperature or protease hydrolysis, the original conformation of the protein can be restored. This process is antigen retrieval. Antigen repair is a key step in the process of immunohistochemistry. There are many kinds of antigen repair methods, and different methods can be selected according to the characteristics of tissue types. Some are suitable for thermal repair, and some are suitable for enzymatic repair. Before the emergence of heat induced antigen repair, trypsin, protease K, pepsin and other enzymes induced antigen epitope repair was the most commonly used method.

This product is pepsin antigen repair solution. The pepsin concentration is 0.4%, and the solvent is dilute hydrochloric acid. The solution is acidic. It can be used to repair interstitial antigen.

Storage

Storage conditions: 4℃ (It is not used for a long time and stored at -20 ℃)
Shipping conditions: Wet ice
Shelf life: 12 months from date of manufacture

Instructions

In the step of immunohistochemistry or immunofluorescence experiment, in the step of antigen repair, pepsin antigen repair drops are directly added to the tissue section to cover the tissue, or the sections are soaked in the repair solution and incubated at 37 ℃ for 10-30 minutes. The specific time depends on the section and repair effect.

Note

1. Restore pepsin antigen repair solution to room temperature before use.
2. In order to obtain the best experimental effect, the best incubation time of antigen repair is suggested to conduct pre-experiment exploration according to different samples and target proteins.
3. Pepsin antigen repair solution is acidic, which may lead to poor tissue morphology on the section. Please pay attention to controlling the incubation time.
4. For your safety and health, please wear experimental clothes and disposable gloves during operation.

Servicebio® Pepsin Antigen Repair Solution（Ready-to-use)

Cat. No.: G0142

Product Content

Product Name	Cat. No.	Spec.
Pepsin Antigen Repair Solution（Ready-to-use)	G0142-100ML	100 mL
	G0142-500ML	500 mL

Product Description

After cells or tissues are fixed with paraformaldehyde, formalin or other aldehyde reagents, due to the formation of aldehyde bonds and carboxymethyl bonds by antigenic determinants, as well as the cross-linking of protein quality inspection, etc., the spatial structure of proteins is changed, so that the antigenic determinants are closed, and the binding points of antigens and antibodies are reduced, which eventually leads to the relative weakening of the positive detection rate and staining intensity of antigens during immune labeling, showing false negative or low positive rate. The protein crosslinking caused by aldehydes is reversible. Under certain conditions, such as high temperature or protease hydrolysis, the original conformation of the protein can be restored. This process is antigen retrieval. Antigen repair is a key step in the process of immunohistochemistry. There are many kinds of antigen repair methods, and different methods can be selected according to the characteristics of tissue types. Some are suitable for thermal repair, and some are suitable for enzymatic repair. Before the emergence of heat induced antigen repair, trypsin, protease K, pepsin and other enzymes induced antigen epitope repair was the most commonly used method.

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4. For your safety and health, please wear experimental clothes and disposable gloves during operation.

По вопросам продаж и поддержки обращайтесь:

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