Фиксирующие растворы

Технические характеристики

Виды товаров: фиксирующие растворы нейтральные, для глазного яблока, Карнуа, для ткани яичек животных, для плотных тканей, фиксирующие растворы, образцы растений, образцы кишечной слизи, растворы карнуа, образцы мышц, специальные фиксаторы для жира, бутылка для образцов, растворы параформальдегида, общие образцы, образцы электронной микроскопии, образцы гибридизации in situ и др.

По вопросам продаж и поддержки обращайтесь:

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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
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Самара (846)206-03-16
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Симферополь (3652)67-13-56
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Сочи (862)225-72-31
Ставрополь (8652)20-65-13
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Тольятти (8482)63-91-07
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Тула (4872)33-79-87
Тюмень (3452)66-21-18
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Улан-Удэ (3012)59-97-51
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эл.почта: sih@nt-rt.ru || сайт: https://servicebio.nt-rt.ru/

Servicebio® Special Fixative Solution for Dense Tissue

Cat No.: G1123-100ML

Product Information

Product Name	Cat.No.	Spec.
Special Fixative Solution for Dense Tissue	G1123-100ML	100 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

Due to the structural characteristics of dense tissues such as tendons and ligaments, paraffin sections are often difficult to be sectioned or made with poor quality due to poor paraffin penetration. This product is suitable for the fixation of dense connective tissue and can achieve excellent paraffin sectioning effect. The main ingredients of this product include formaldehyde, ethanol and glacial acetic acid.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

When tendons, ligaments and other tissues were taken, the connective tissues were removed as clean as possible, and immediately put into the fixing solution after sampling. After 24-48 h of fixation, the tissue was stored in 70% ethanol, and dehydrated and embedded as soon as possible. Fixed for too long may affect the organizational structure.

Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.

2. Please tighten the cap in time after use to prevent volatile active ingredients.

3. For your safety and health, please wear a lab coat and disposable gloves when operating.

Servicebio® Animal Testicular Tissue Fixative Solution

Cat No.: G1121-15ML

Product Information

Product Name	Cat.No.	Spec.
Animal Testicular Tissue Fixative Solution	G1121-15ML	15 mL
	G1121-500ML	500 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

The traditional fixation method of testicular tissue is Bouin's fixation solution, but this fixation solution is acidic and has a great influence on antigen and nuclear staining, which is significantly affected. The testicular tissue fixed with paraformaldehyde solution was prone to interstitial loss. This fixative is specially used for the fixation of animal testis tissue with fast penetration, which can keep the structure of the tissue intact, retain most of the antigen, and do not affect the staining of the nucleus, and do not affect the detection of IHC or IF. The main components of this product are formaldehyde solution, ethanol and glacial acetic acid.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

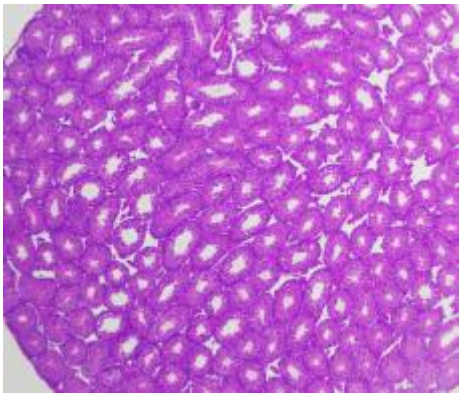
Mice testicular tissue was immediately put into sufficient amount of fixative solution, fixed at room temperature for 20-24 h, and then transferred into 70% ethanol for preservation.

The testicular tissue of rats and other animals is relatively large. In order to ensure thorough penetration, the tissue can be cut into appropriate size with a sharp blade, or the outer membrane can be punctured gently with a needle and then put into a sufficient amount of fixing solution, fixed for 20-24 h, not more than 48 h as far as possible, and then transferred into 70% ethanol for preservation.

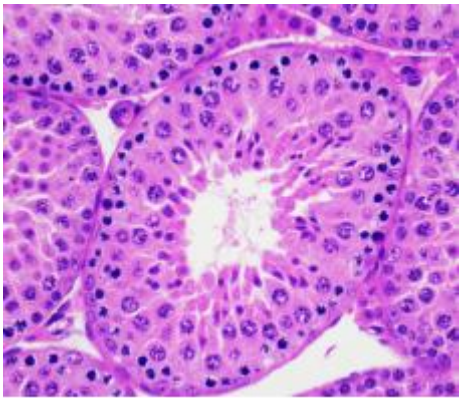
Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. The tissue fixation time should be controlled within 48 h, and then transferred to 70% alcohol for storage or transportation, otherwise the tissue structure or protein immunodetection results may be affected.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

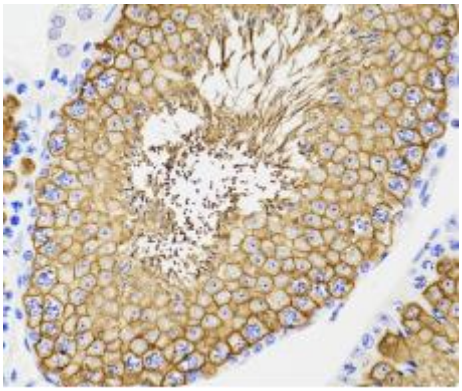
Images:



A：Mouse testis, fixed for 20h, paraffin sections were stained with HE，40X。



B：Mouse testis, fixed for 20h, paraffin sections were stained with HE，400X。



C：Mouse testis, fixed for 20h, paraffin section was used to detect GluT3 by IHC (GB11294)，400X。

Servicebio® Animal Testicular Tissue Fixative Solution

Cat No.: G1121-15ML

Product Information

Product Name	Cat.No.	Spec.
Animal Testicular Tissue Fixative Solution	G1121-15ML	15 mL
	G1121-500ML	500 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

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Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

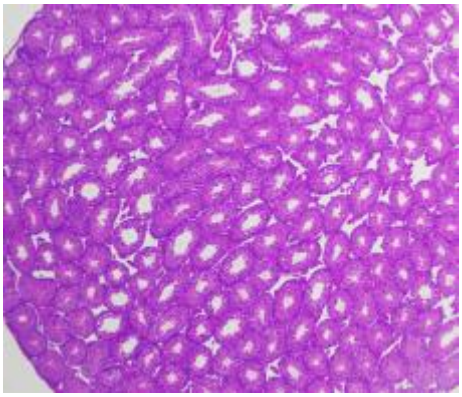
Mice testicular tissue was immediately put into sufficient amount of fixative solution, fixed at room temperature for 20-24 h, and then transferred into 70% ethanol for preservation.

The testicular tissue of rats and other animals is relatively large. In order to ensure thorough penetration, the tissue can be cut into appropriate size with a sharp blade, or the outer membrane can be punctured gently with a needle and then put into a sufficient amount of fixing solution, fixed for 20-24 h, not more than 48 h as far as possible, and then transferred into 70% ethanol for preservation.

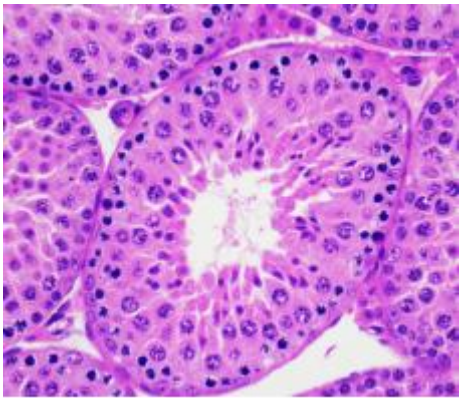
Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. The tissue fixation time should be controlled within 48 h, and then transferred to 70% alcohol for storage or transportation, otherwise the tissue structure or protein immunodetection results may be affected.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

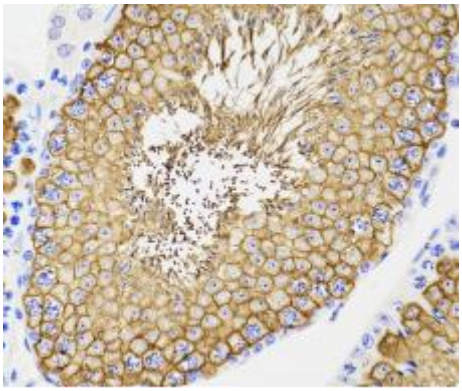
Images:



A：Mouse testis, fixed for 20h, paraffin sections were stained with HE，40X。



B：Mouse testis, fixed for 20h, paraffin sections were stained with HE，400X。



C：Mouse testis, fixed for 20h, paraffin section was used to detect GluT3 by IHC (GB11294)，400X。

Servicebio® Carnoy's Fixative Solution (Used to Fix Intestinal Mucus)

Cat No.: G1120-500ML

Product Information

Product Name	Cat.No.	Spec.
Carnoy's Fixative Solution (Used to Fix Intestinal Mucus)	G1120-500ML	500 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

This product (Carnoy's Fluid/ Carnoys Fixative) can be used to fix the mucus layer of animal intestinal tissue, and the sample can be used for PAS and AB-PAS staining of intestinal mucus layer to obtain excellent staining effect. This product composition: ethanol: glacial acetic acid =3:1.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

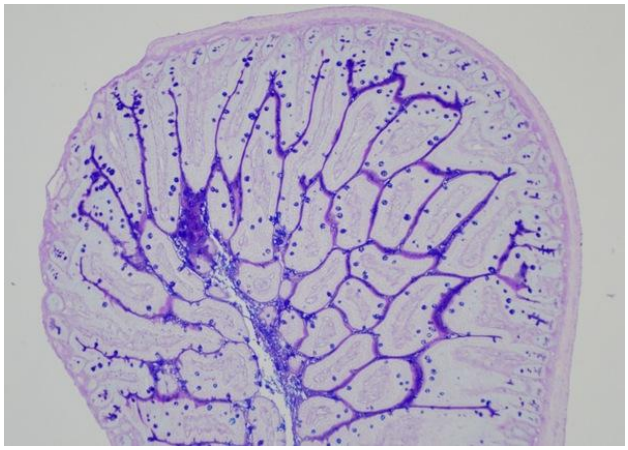
Assay Protocol

When taking animal intestinal tissue, the length of intestinal tissue is required to be greater than 5 mm, do not wash with water after taking the material, immediately put into the fixative solution, the fixation time is more than 4 h, not more than 7 days, which can better preserve the intestinal mucus layer. After the tissue is fixed, short-term dehydration (absolute ethanol twice, 40-60 min each time) is directly used with absolute ethanol, xylene is transparent, paraffin embedding, paraffin sections are prepared, and then PAS, AB-PAS is used to stain the mucus.

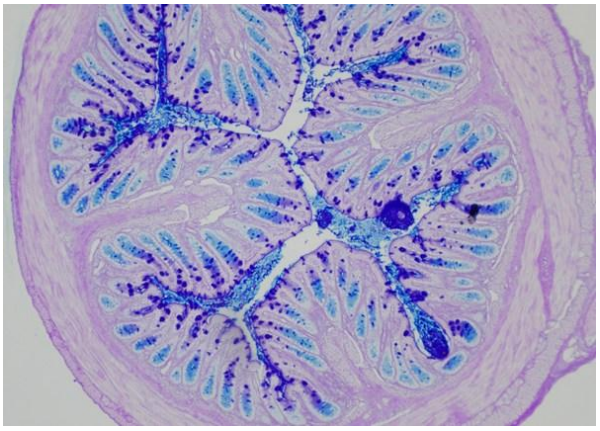
Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. Intestinal tissue should not be washed during sampling, and intestinal contents should be retained to avoid extrusion, otherwise the integrity of tissue structure will be affected.
3. The fixed tissue is directly dehydrated with absolute ethanol for a short time. Water-bearing ethanol should not be used for dehydration, otherwise the sugary mucous material will be lost.
4. Please tighten the cap in time after use to prevent volatile active ingredients.
5. For your safety and health, please wear a lab coat and disposable gloves when operating.

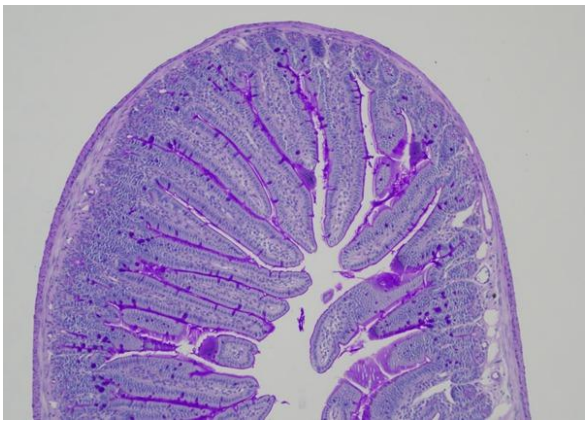
Images:



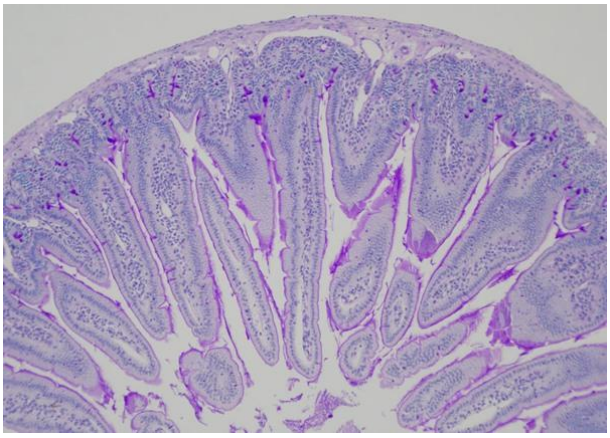
Jejunum in mice, AB-PAS, 100X.



Mice rectum, AB-PAS, 100X.



Jejunum in mice, PAS, 100X.



Duodenum of mouse，PAS，100X。

Servicebio® FAS Eyeball Fixative Solution

Cat No.: G1109

Product Information

Product Name	Cat.No.	Spec.
FAS Eyeball Fixative Solution	G1109-50ML	50 mL
	G1109-100ML	100 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

The tissue structure of the eyeball is special, the soft and hard degree of each layer of the eyeball wall varies greatly, and the connectivity between each layer is poor. The tissue fixed with conventional fixation solution is easy to cause eyeball deformation in the subsequent dehydration process, and the structure of each layer of the eyeball wall is separated, especially the retina is easy to detangle. According to the characteristics of eyeball structure, the company developed and produced FAS eyeball fixation solution. The eyeball fixed by this solution has complete structure, no retinal detachment or fragmentation phenomenon, and high quality eyeball tissue sections can be obtained. The active ingredients of this product are glacial acetic acid, formaldehyde, absolute ethanol and normal saline.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

The fresh eyeball tissue was removed and quickly fixed in FAS eyeball fixator for more than 24 hours.

Note

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.

2. The volume of fixed fluid should be sufficient, and the container of fixed fluid should not be too small to ensure that the eyeball can be freely suspended in the fixed fluid and not overstocked, otherwise it will affect the integrity of the tissue structure.

3. Please tighten the cap in time after use to prevent volatile active ingredients.

Servicebio® FAS Eyeball Fixative Solution

Cat No.: G1109

Product Information

Product Name	Cat.No.	Spec.
FAS Eyeball Fixative Solution	G1109-50ML	50 mL
	G1109-100ML	100 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

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Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

The fresh eyeball tissue was removed and quickly fixed in FAS eyeball fixator for more than 24 hours.

Note

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.

2. The volume of fixed fluid should be sufficient, and the container of fixed fluid should not be too small to ensure that the eyeball can be freely suspended in the fixed fluid and not overstocked, otherwise it will affect the integrity of the tissue structure.

3. Please tighten the cap in time after use to prevent volatile active ingredients.

Servicebio® FAS Eyeball Fixative Solution

Cat No.: G1109

Product Information

Product Name	Cat.No.	Spec.
FAS Eyeball Fixative Solution	G1109-50ML	50 mL
	G1109-100ML	100 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

The tissue structure of the eyeball is special, the soft and hard degree of each layer of the eyeball wall varies greatly, and the connectivity between each layer is poor. The tissue fixed with conventional fixation solution is easy to cause eyeball deformation in the subsequent dehydration process, and the structure of each layer of the eyeball wall is separated, especially the retina is easy to detangle. According to the characteristics of eyeball structure, the company developed and produced FAS eyeball fixation solution. The eyeball fixed by this solution has complete structure, no retinal detachment or fragmentation phenomenon, and high quality eyeball tissue sections can be obtained. The active ingredients of this product are glacial acetic acid, formaldehyde, absolute ethanol and normal saline.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

The fresh eyeball tissue was removed and quickly fixed in FAS eyeball fixator for more than 24 hours.

Note

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.

2. The volume of fixed fluid should be sufficient, and the container of fixed fluid should not be too small to ensure that the eyeball can be freely suspended in the fixed fluid and not overstocked, otherwise it will affect the integrity of the tissue structure.

3. Please tighten the cap in time after use to prevent volatile active ingredients.

Servicebio® Paraformaldehyde Fixative (Neutral)

Cat. No.: G1101

Product Information

Product Name	Cat.No.	Spec.	Packaging
Paraformaldehyde Fixative (Neutral)	G1101-3ML	3 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-15ML	15 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-25ML	25 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 12 boxes/ctn.
	G1101-500ML	500 mL	Bottle, 25 bottles/ctn.
	G1101-25L	25 L	Barrel-loading

Description

In histopathology, tissues must be fixed in a timely and effective manner before subsequent embedding and sectioning can be completed. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, small tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

This product is a universal tissue fixative solution (neutral) with an active ingredient of 4% paraformaldehyde with 0.01 M phosphate buffer as the solvent, pH 7.0-7.5@25°C. This product is suitable for the fixation of most animal tissues and also for the fixation of flow assay cells.

This product provides a variety of specifications of packaging to meet different needs of use. Among them, the single pre-filled type is already dispensed, ready to use, you can directly put the tissue sample into the tube, convenient and quick. Transparent tube body for easy observation of the sample. Leak-proof design ensures safe use and transportation. Pre-labeled for easy and timely recording of sample information. Barrels are suitable for scenarios with larger dosage.

Storage and Shipping Conditions

Transportation at room temperature; keep in cool and dry place, avoid direct sunlight, valid for 24 months.

Assay Protocol / Procedures

Freshly taken tissue specimens quickly submerged in the product, the volume ratio of fixative to tissue block is not less than 10:1, the tissue block should not be too thick, ≤ 5 mm is the best, the fixation time is

generally 1-4 h/mm, or fixation for 24 h can be carried out for the subsequent operation, large specimens can be appropriately extended fixation time.

In vitro cultured cell crawls were fixed for 15 min or less.

Note

1. Use in a well-ventilated environment and protect against inhalation.
2. To ensure adequate penetration of the fixative into the tissue, do not take tissue thicker than 5 mm and ensure that the volume of fixative is sufficient. If the volume is not large enough, change the fixative 2-3 times during the fixation period.
3. Please tighten the cap promptly after use to prevent the active ingredients from evaporating.
4. For your safety and health, please wear a lab coat and disposable gloves during operation.

Servicebio® Paraformaldehyde Fixative (Neutral)

Cat. No.: G1101

Product Information

Product Name	Cat.No.	Spec.	Packaging
Paraformaldehyde Fixative (Neutral)	G1101-3ML	3 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-15ML	15 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-25ML	25 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 12 boxes/ctn.
	G1101-500ML	500 mL	Bottle, 25 bottles/ctn.
	G1101-25L	25 L	Barrel-loading

Description

In histopathology, tissues must be fixed in a timely and effective manner before subsequent embedding and sectioning can be completed. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, small tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

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Storage and Shipping Conditions

Transportation at room temperature; keep in cool and dry place, avoid direct sunlight, valid for 24 months.

Assay Protocol / Procedures

Freshly taken tissue specimens quickly submerged in the product, the volume ratio of fixative to tissue block is not less than 10:1, the tissue block should not be too thick, ≤ 5 mm is the best, the fixation time is

generally 1-4 h/mm, or fixation for 24 h can be carried out for the subsequent operation, large specimens can be appropriately extended fixation time.

In vitro cultured cell crawls were fixed for 15 min or less.

Note

1. Use in a well-ventilated environment and protect against inhalation.
2. To ensure adequate penetration of the fixative into the tissue, do not take tissue thicker than 5 mm and ensure that the volume of fixative is sufficient. If the volume is not large enough, change the fixative 2-3 times during the fixation period.
3. Please tighten the cap promptly after use to prevent the active ingredients from evaporating.
4. For your safety and health, please wear a lab coat and disposable gloves during operation.

Servicebio® Paraformaldehyde Fixative (Neutral)

Cat. No.: G1101

Product Information

Product Name	Cat.No.	Spec.	Packaging
Paraformaldehyde Fixative (Neutral)	G1101-3ML	3 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-15ML	15 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-25ML	25 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 12 boxes/ctn.
	G1101-500ML	500 mL	Bottle, 25 bottles/ctn.
	G1101-25L	25 L	Barrel-loading

Description

In histopathology, tissues must be fixed in a timely and effective manner before subsequent embedding and sectioning can be completed. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, small tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

This product is a universal tissue fixative solution (neutral) with an active ingredient of 4% paraformaldehyde with 0.01 M phosphate buffer as the solvent, pH 7.0-7.5@25°C. This product is suitable for the fixation of most animal tissues and also for the fixation of flow assay cells.

This product provides a variety of specifications of packaging to meet different needs of use. Among them, the single pre-filled type is already dispensed, ready to use, you can directly put the tissue sample into the tube, convenient and quick. Transparent tube body for easy observation of the sample. Leak-proof design ensures safe use and transportation. Pre-labeled for easy and timely recording of sample information. Barrels are suitable for scenarios with larger dosage.

Storage and Shipping Conditions

Transportation at room temperature; keep in cool and dry place, avoid direct sunlight, valid for 24 months.

Assay Protocol / Procedures

Freshly taken tissue specimens quickly submerged in the product, the volume ratio of fixative to tissue block is not less than 10:1, the tissue block should not be too thick, ≤ 5 mm is the best, the fixation time is

generally 1-4 h/mm, or fixation for 24 h can be carried out for the subsequent operation, large specimens can be appropriately extended fixation time.

In vitro cultured cell crawls were fixed for 15 min or less.

Note

1. Use in a well-ventilated environment and protect against inhalation.
2. To ensure adequate penetration of the fixative into the tissue, do not take tissue thicker than 5 mm and ensure that the volume of fixative is sufficient. If the volume is not large enough, change the fixative 2-3 times during the fixation period.
3. Please tighten the cap promptly after use to prevent the active ingredients from evaporating.
4. For your safety and health, please wear a lab coat and disposable gloves during operation.

Servicebio® Paraformaldehyde Fixative (Neutral)

Cat. No.: G1101

Product Information

Product Name	Cat.No.	Spec.	Packaging
Paraformaldehyde Fixative (Neutral)	G1101-3ML	3 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-15ML	15 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-25ML	25 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 12 boxes/ctn.
	G1101-500ML	500 mL	Bottle, 25 bottles/ctn.
	G1101-25L	25 L	Barrel-loading

Description

In histopathology, tissues must be fixed in a timely and effective manner before subsequent embedding and sectioning can be completed. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, small tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

This product is a universal tissue fixative solution (neutral) with an active ingredient of 4% paraformaldehyde with 0.01 M phosphate buffer as the solvent, pH 7.0-7.5@25°C. This product is suitable for the fixation of most animal tissues and also for the fixation of flow assay cells.

This product provides a variety of specifications of packaging to meet different needs of use. Among them, the single pre-filled type is already dispensed, ready to use, you can directly put the tissue sample into the tube, convenient and quick. Transparent tube body for easy observation of the sample. Leak-proof design ensures safe use and transportation. Pre-labeled for easy and timely recording of sample information. Barrels are suitable for scenarios with larger dosage.

Storage and Shipping Conditions

Transportation at room temperature; keep in cool and dry place, avoid direct sunlight, valid for 24 months.

Assay Protocol / Procedures

Freshly taken tissue specimens quickly submerged in the product, the volume ratio of fixative to tissue block is not less than 10:1, the tissue block should not be too thick, ≤ 5 mm is the best, the fixation time is

generally 1-4 h/mm, or fixation for 24 h can be carried out for the subsequent operation, large specimens can be appropriately extended fixation time.

In vitro cultured cell crawls were fixed for 15 min or less.

Note

1. Use in a well-ventilated environment and protect against inhalation.
2. To ensure adequate penetration of the fixative into the tissue, do not take tissue thicker than 5 mm and ensure that the volume of fixative is sufficient. If the volume is not large enough, change the fixative 2-3 times during the fixation period.
3. Please tighten the cap promptly after use to prevent the active ingredients from evaporating.
4. For your safety and health, please wear a lab coat and disposable gloves during operation.

Servicebio® Paraformaldehyde Fixative (Neutral)

Cat. No.: G1101

Product Information

Product Name	Cat.No.	Spec.	Packaging
Paraformaldehyde Fixative (Neutral)	G1101-3ML	3 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-15ML	15 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 8 boxes/ctn.
	G1101-25ML	25 mL	Single pre-filled, ready to use. Blister box, 50 pcs/box, 12 boxes/ctn.
	G1101-500ML	500 mL	Bottle, 25 bottles/ctn.
	G1101-25L	25 L	Barrel-loading

Description

In histopathology, tissues must be fixed in a timely and effective manner before subsequent embedding and sectioning can be completed. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, small tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

This product is a universal tissue fixative solution (neutral) with an active ingredient of 4% paraformaldehyde with 0.01 M phosphate buffer as the solvent, pH 7.0-7.5@25°C. This product is suitable for the fixation of most animal tissues and also for the fixation of flow assay cells.

This product provides a variety of specifications of packaging to meet different needs of use. Among them, the single pre-filled type is already dispensed, ready to use, you can directly put the tissue sample into the tube, convenient and quick. Transparent tube body for easy observation of the sample. Leak-proof design ensures safe use and transportation. Pre-labeled for easy and timely recording of sample information. Barrels are suitable for scenarios with larger dosage.

Storage and Shipping Conditions

Transportation at room temperature; keep in cool and dry place, avoid direct sunlight, valid for 24 months.

Assay Protocol / Procedures

Freshly taken tissue specimens quickly submerged in the product, the volume ratio of fixative to tissue block is not less than 10:1, the tissue block should not be too thick, ≤ 5 mm is the best, the fixation time is

generally 1-4 h/mm, or fixation for 24 h can be carried out for the subsequent operation, large specimens can be appropriately extended fixation time.

In vitro cultured cell crawls were fixed for 15 min or less.

Note

1. Use in a well-ventilated environment and protect against inhalation.
2. To ensure adequate penetration of the fixative into the tissue, do not take tissue thicker than 5 mm and ensure that the volume of fixative is sufficient. If the volume is not large enough, change the fixative 2-3 times during the fixation period.
3. Please tighten the cap promptly after use to prevent the active ingredients from evaporating.
4. For your safety and health, please wear a lab coat and disposable gloves during operation.

Servicebio® Special Fixative Solution for IEM

Cat No.: G1124-100ML

Product Information

Product Name	Cat.No.	Spec.
Special Fixative Solution for IEM	G1124-100ML	100 mL

Description

The ultrastructure of tissue cells can be observed by transmission electron microscopy, and the distribution of antigens (antibodies) in tissues can be detected by immunohistochemistry with labeled specific antibodies (or antigens) and observed by ordinary light microscopy. Immune electron microscopy (sem) technology is the electron technology and the product of chemical technology, according to the principle of the height of the antigen antibody specificity combined, with high electron density of markers (such as gold, iron, protein, etc.) from the ultrastructure level detection some antigenicity substance location, in other words, the immune electron microscopy (sem) was observed under transmission electron microscopy (sem) immunohistochemical detection result of ultrastructure level, It's an extension of Immunofluorescence microscopy. One of the most important problems in immunoelectron microscopy is the choice of fixation solution, which requires the preservation of the antigenicity of tissue components and the preservation of the ultrastructure of cells.

This product is a special fixative for immunoelectron microscopy, which is specially used for the fixation of tissue samples in the early stage of immunoelectron microscopy. It can preserve the ultrastructure and antigen of tissues well. The main active ingredients of the product are formaldehyde and glutaraldehyde.

Storage and Handling Conditions

Wet ice transportation; Stored at 4℃ away from light, valid for 24 months.

Component

Component	G1124
Special Fixative Solution for IEM	100 mL

Assay Protocol

For tissue samples, the special fixation solution for immunoelectron microscopy was loaded in Petri dishes in advance. When taking materials, use a sharp blade to cut the target tissue accurately and immediately immerse in the fixing solution. Continue cutting into 1 mm^3 sizes with a scalpel in fixation fluid. Then, the cut small tissue block was transferred to the EP tube filled with fresh fixative for fixation at room temperature and protected from light for 2h, after which they were transferred to 4°C for storage and transportation protected from light. For adherent cells, discard the culture medium for the cultured cells and the fixative was restored to room temperature, the cells were added to the Special Fixative Solution for IEM and fixed at room temperature and protected from light for about 5 min. Cells were carefully scraped by cell scraping, and cell precipitates were collected by low-speed centrifugation, and then fixative was added to soak cell precipitates at room temperature for 30 min, and then transferred to 4°C for storage and transportation away from light. If there is no requirement for cell morphology, the cultured cells can be digested into cell suspension with trypsin and then fixed according to the procedure of cell suspension. For suspended cells: the cultured cells were centrifuged at low speed and the medium was discarded. Add the Special Fixative Solution for IEM to restore room temperature and fix it at room temperature and avoid light for 30 min, and then turn to 4℃ to avoid light for storage and transportation.

Note:

1. For immunoelectron microscopy detection, sample sampling is critical in the early stage, which requires skillful technique and rapid sampling. The sampling and fixation of the target position should be completed within 3 minutes. The mechanical damage such as stretching, contusion and extrusion to the tissue should be minimized during the sampling. The tissue sampling volume should be as small as possible, not more than 1 mm^3. If the tissue block is too large, the internal tissue cannot be fixed timely and adequately, which may affect the ultrastructure.
2. The fixed samples need to be stored and transported at 4℃ to avoid crystallization of the fixative caused by too low temperature.
3. Use the device in a well-ventilated environment with proper protection.
4. Please tighten the cap in time after use to prevent volatile active ingredients.
5. Wear a lab coat and disposable gloves during operation.

Servicebio® Electron Microscope Fixative

Cat. #: G1102

Product Information

Product Name	Cat. No.	Spec.
Electron Microscope Fixative	G1102-10ML	10 mL
	G1102-100ML	100 mL
	G1102-1.5ML	25×1.5 mL

Product Description

In histopathology, tissue must be fixed in time and effectively before subsequent embedding and sectioning. The role of tissue fixation is to maintain the inherent morphology and structure of tissues and cells, prevent bacterial corrosion and the autolysis of tissue cells, preserve the inherent substances in cells, solidify the proteins in cells, minimize or terminate the reaction of endogenous and exogenous enzymes, to keep the cells or tissues essentially as they were at the time of life, and can also harden the tissues and facilitate the repair of tissues. For some infectious specimens, fixation can prevent the spread of disease; preserve the gross specimen. Finally, fixation also enhance staining. Glutaraldehyde is a commonly used fixative, which preserves the fine structure of cells well, but its permeability is weak, which is mainly used for the early fixation of electron microscope samples.

This product is an electron microscope fixative with an active ingredient of 2.5% glutaraldehyde, pH 7.0-7.5 @ 25°C.

Storage and Shipping Conditions

Ship with wet ice; Store at 2-8°C away from light, valid for 24 months.

Assay Protocol

Fresh tissues are quickly cut into 1-2 mm^3 pieces, immerse in a sufficient amount of the fixative, fix at room temperature for 2h away from light, then transfer to 4°C. If the tissue is heavily laden with blood and tissue fluid, the tissue should be washed several times with the fixative, and then quickly cut into small pieces for fixation. If it is not possible to cut the tissue into 1-2 mm 3 pieces at once, it can also be cut into slightly larger tissue blocks, and then trimmed into 1-2 mm^3 size while fixing.

Note

1. The tissue should be taken quickly to ensure that the tissue is taken from the living body and placed in a pre-cooled electron microscope fixative within 1 min. The operation is best carried out at low temperature (0-4°C) to reduce enzyme activity and prevent cell autolysis.
2. Keep the tissue volume as small as possible, not more than 2 mm^3, to ensure adequate penetration of the fixative into the tissue cells to obtain good fixation. Try to trim the tissue block in the fixative.

3. Please use sharp dissecting instruments to avoid ultrastructural damage caused by tissue pulling, contusion and compression.
4. Please use in a well-ventilated environment and take good protection to avoid inhalation.
5. Please tighten the cap in time after use to prevent volatilization of active ingredients
6. For your safety and health, please wear a lab coat and disposable gloves.

Servicebio® Electron Microscope Fixative

Cat. #: G1102

Product Information

Product Name	Cat. No.	Spec.
Electron Microscope Fixative	G1102-10ML	10 mL
	G1102-100ML	100 mL
	G1102-1.5ML	25×1.5 mL

Product Description

In histopathology, tissue must be fixed in time and effectively before subsequent embedding and sectioning. The role of tissue fixation is to maintain the inherent morphology and structure of tissues and cells, prevent bacterial corrosion and the autolysis of tissue cells, preserve the inherent substances in cells, solidify the proteins in cells, minimize or terminate the reaction of endogenous and exogenous enzymes, to keep the cells or tissues essentially as they were at the time of life, and can also harden the tissues and facilitate the repair of tissues. For some infectious specimens, fixation can prevent the spread of disease; preserve the gross specimen. Finally, fixation also enhance staining. Glutaraldehyde is a commonly used fixative, which preserves the fine structure of cells well, but its permeability is weak, which is mainly used for the early fixation of electron microscope samples.

This product is an electron microscope fixative with an active ingredient of 2.5% glutaraldehyde, pH 7.0-7.5 @ 25°C.

Storage and Shipping Conditions

Ship with wet ice; Store at 2-8°C away from light, valid for 24 months.

Assay Protocol

Fresh tissues are quickly cut into 1-2 mm^3 pieces, immerse in a sufficient amount of the fixative, fix at room temperature for 2h away from light, then transfer to 4°C. If the tissue is heavily laden with blood and tissue fluid, the tissue should be washed several times with the fixative, and then quickly cut into small pieces for fixation. If it is not possible to cut the tissue into 1-2 mm 3 pieces at once, it can also be cut into slightly larger tissue blocks, and then trimmed into 1-2 mm^3 size while fixing.

Note

1. The tissue should be taken quickly to ensure that the tissue is taken from the living body and placed in a pre-cooled electron microscope fixative within 1 min. The operation is best carried out at low temperature (0-4°C) to reduce enzyme activity and prevent cell autolysis.
2. Keep the tissue volume as small as possible, not more than 2 mm^3, to ensure adequate penetration of the fixative into the tissue cells to obtain good fixation. Try to trim the tissue block in the fixative.

3. Please use sharp dissecting instruments to avoid ultrastructural damage caused by tissue pulling, contusion and compression.
4. Please use in a well-ventilated environment and take good protection to avoid inhalation.
5. Please tighten the cap in time after use to prevent volatilization of active ingredients
6. For your safety and health, please wear a lab coat and disposable gloves.

Servicebio® Electron Microscope Fixative

Cat. #: G1102

Product Information

Product Name	Cat. No.	Spec.
Electron Microscope Fixative	G1102-10ML	10 mL
	G1102-100ML	100 mL
	G1102-1.5ML	25×1.5 mL

Product Description

In histopathology, tissue must be fixed in time and effectively before subsequent embedding and sectioning. The role of tissue fixation is to maintain the inherent morphology and structure of tissues and cells, prevent bacterial corrosion and the autolysis of tissue cells, preserve the inherent substances in cells, solidify the proteins in cells, minimize or terminate the reaction of endogenous and exogenous enzymes, to keep the cells or tissues essentially as they were at the time of life, and can also harden the tissues and facilitate the repair of tissues. For some infectious specimens, fixation can prevent the spread of disease; preserve the gross specimen. Finally, fixation also enhance staining. Glutaraldehyde is a commonly used fixative, which preserves the fine structure of cells well, but its permeability is weak, which is mainly used for the early fixation of electron microscope samples.

This product is an electron microscope fixative with an active ingredient of 2.5% glutaraldehyde, pH 7.0-7.5 @ 25°C.

Storage and Shipping Conditions

Ship with wet ice; Store at 2-8°C away from light, valid for 24 months.

Assay Protocol

Fresh tissues are quickly cut into 1-2 mm^3 pieces, immerse in a sufficient amount of the fixative, fix at room temperature for 2h away from light, then transfer to 4°C. If the tissue is heavily laden with blood and tissue fluid, the tissue should be washed several times with the fixative, and then quickly cut into small pieces for fixation. If it is not possible to cut the tissue into 1-2 mm 3 pieces at once, it can also be cut into slightly larger tissue blocks, and then trimmed into 1-2 mm^3 size while fixing.

Note

1. The tissue should be taken quickly to ensure that the tissue is taken from the living body and placed in a pre-cooled electron microscope fixative within 1 min. The operation is best carried out at low temperature (0-4°C) to reduce enzyme activity and prevent cell autolysis.
2. Keep the tissue volume as small as possible, not more than 2 mm^3, to ensure adequate penetration of the fixative into the tissue cells to obtain good fixation. Try to trim the tissue block in the fixative.

3. Please use sharp dissecting instruments to avoid ultrastructural damage caused by tissue pulling, contusion and compression.
4. Please use in a well-ventilated environment and take good protection to avoid inhalation.
5. Please tighten the cap in time after use to prevent volatilization of active ingredients
6. For your safety and health, please wear a lab coat and disposable gloves.

In Situ Hybridization Fixation Solution (Plant)

Online Consultation

Cat.No. : G1110-500ML

Brand : Servicebio

Spec.:

- 500 mL (Fixative)
- 10 mL (Single Tube, Preloaded, 50 pcs/box) (FAS Eyeball)
- 100 mL (FAS Eyeball)
- 50 mL (FAS Eyeball)
- 500 mL (Carnoy's (Intestinal Mucus))
- 15 mL (Single Tube, Preloaded, 50 pcs/box) (Animal Testicular Tissue)
- 500 mL (Animal Testicular Tissue)
- 100 mL (Dense Tissue Dedicated)
- 100 mL (Electron Microscope)
- 10 mL (Electron Microscope)
- 100 mL (Immune Electron Microscope Dedicated)
- 500 mL (In Situ Hybridization (Plant))
- 500 mL (In situ hybridization (Younger Plants))
- 500 mL (In Situ Hybridization (Animal))
- 500 mL (FAA Fixative Solution (70%))
- 500 mL (FAA Fixative Solution (50%))
- 10 mL (Single Tube, Preloaded, 50 pcs/box) (Environment Friendly GD)
- 100 mL (Environment Friendly GD)
- 100 mL (Fat Dedicated)
- 250 mL (Fat Dedicated)
- 15 mL/Piece (Single Tube, Pre-packaged, 50 Pcs/Box) (FAA Fixative Solution (70%))
- 15 mL/Piece (Single Tube, Pre-packaged, 50 Pcs/Box) (FAA Fixative Solution (50%))

Product Introduction

Product Information

Product Name	Cat.No.	Spec.
InSituHybridizationFixationSolution (Plant)	G1110-500ML	500 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

The main components of the in situ hybridization fixative (plant) of this product are formalin, glacial acetic acid and 70% ethanol, which is good for the fixation of plant tissues. This product is s

uitable for general root, stem, leaf, anther, ovary tissue section. DEPC treatment effectively inactivates RNase in the solution and is specifically used to immobilize samples required for subsequent nucleic acid in situ hybridization testing.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

After the plant tissue is removed, it is rinsed with water and then placed in FAA fixing solution. Larger tissue needs to be cut into small pieces and fixed again. Generally, it is fixed in FAA fixative for more than 24 h. Small or young tissue can reduce the time appropriately according to the size of the material. If possible, the sample is immersed in the fixation solution and then the fixation can be promoted by vacuuming.

Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. To ensure that the fixation solution fully penetrates the tissue, additional vacuuming treatment can be added.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

In Situ Hybridization Fixative Solution

Online Consultation

Cat.No. : G1112-500ML

Brand : Servicebio

Spec.:

- 500 mL (Fixative)
- 100 mL (FAS Eyeball)
- 50 mL (FAS Eyeball)
- 500 mL (Carnoy's (Intestinal Mucus))
- 500 mL (Animal Testicular Tissue)
- 100 mL (Dense Tissue Dedicated)
- 100 mL (Electron Microscope)
- 10 mL (Electron Microscope)
- 100 mL (Immune Electron Microscope Dedicated)
- 500 mL (In Situ Hybridization (Plant))
- 500 mL (In situ hybridization (Younger Plants))
- 500 mL (In Situ Hybridization (Animal))
- 500 mL (FAA Fixative Solution (70%))
- 500 mL (FAA Fixative Solution (50%))
- 100 mL (Environment Friendly GD)
- 100 mL (Fat Dedicated)
- 250 mL (Fat Dedicated)
- 15 mL/Piece (Single Tube, Pre-packaged, 50 Pcs/Box) (FAA Fixative Solution (70%))
- 15 mL/Piece (Single Tube, Pre-packaged, 50 Pcs/Box) (FAA Fixative Solution (50%))

Product Introduction

ProductInformation

ProductName	Cat. No.	Spec.
In situ hybridization fixative solution	G1112	500 mL

Product Description/Introduction

In histopathology, tissue must be fixed in time and effectively before subsequent embedding and sectioning. The function of tissue fixation is to maintain the inherent morphology and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissues and cells, preserve intrinsic substances in cells, coagulation of proteins in cells, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically maintain the same substances as life,

but also make tissues harden, which is convenient for repair and cutting of the tissue. For some infectious specimens, fixative can prevent the spread of disease ; preserve the gross specimen. Finally, fixation can enhance the effect of staining.

The main components of the fixative solution for in situ hybridization (relatively tender plants) are formalin, glacial acetic acid and 50% ethanol, which are good for fixing plant tissues.

It is suitable for more tender root, stem, leaf, anther and ovary tissue sections. DEPC treatment effectively inactivates RNase in the solution .

It is specially used for fixing samples that need to be detected by nucleic acid in situ hybridization.

Storage andShipping Conditions

Normal temperature preservation and transportation ; valid for 24 months

Assay Protocol / Procedures

The plant tissue was cut to a thickness of about 2 mm, and the cut tissue was placed into the in situ hybridization fixative (plant) at room temperature with tweezers or pipettes. The ratio of fixative to tissue was greater than 10 : 1. Fixed at room temperature for 12-24 h. If you can not cut into the size of 2 mm ^{3} at one time, can also be cut into slightly larger tissue blocks, and then fixed edge repair into the size of 2 mm ^{3}. Fixation time for smaller or tender tissues can be reduced appropriately according to the size of the material.

Note

1. Please use in a well-ventilated environment, and take good protection to avoid inhalation.
2. In order to ensure that thefixative fully penetrates the tissue, vacuuming treatment can be added.
3. After use, please tighten the cap in time to prevent the effective ingredients from volatilize.
4. For your safety and health, please wear a lab coat and wear disposable gloves to operate.

ISH Fixative Solution (Animal)

Online Consultation

Cat.No. : G1113-500ML

Brand : Servicebio

Spec.:

- 500 mL (Fixative)
- 10 mL (Single Tube, Preloaded, 50 pcs/box) (FAS Eyeball)
- 100 mL (FAS Eyeball)
- 50 mL (FAS Eyeball)
- 500 mL (Carnoy's (Intestinal Mucus))
- 15 mL (Single Tube, Preloaded, 50 pcs/box) (Animal Testicular Tissue)
- 500 mL (Animal Testicular Tissue)
- 100 mL (Dense Tissue Dedicated)
- 100 mL (Electron Microscope)
- 10 mL (Electron Microscope)
- 100 mL (Immune Electron Microscope Dedicated)
- 500 mL (In Situ Hybridization (Plant))
- 500 mL (In Situ Hybridization (Animal))
- 500 mL （ In situ hybridization (Younger Plants) ）
- 500 mL (FAA Fixative Solution (70%))
- 500 mL (FAA Fixative Solution (50%))
- 10 mL (Single Tube, Preloaded, 50 pcs/box) (Environment Friendly GD)
- 100 mL (Environment Friendly GD)
- 100 mL (Fat Dedicated)
- 250 mL (Fat Dedicated)
- 15 mL/Piece (Single Tube, Pre-packaged, 50 Pcs/Box) (FAA Fixative Solution (70%))

Product Introduction

Product Information

Product Name	Cat.No.	Spec.
ISH Fixative Solution (Animal)	G1113-500ML	500 mL

Description

In histopathology, tissues must be fixed in a timely and effective manner before they can be subsequently embedding and sectioning. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining.

The main component of this product is 4% paraformaldehyde, with 0.1 M phosphoric acid buffer as solvent, pH 7.0-7.5@25 °C, treated with

DEPC, effectively inactivate RNase in solution, specially used to fix samples that need to be tested for subsequent nucleic acid in situ hybridization.

Storage and Handling Conditions

Normal temperature transportation; Store in a cool, dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

Freshly taken tissue specimens are quickly immersed in this product, the ratio of fixative solution to tissue is not less than 1:10, tissue blocks should not be too thick,≤

5 mm is best, the fixation time is generally 1-4 h/mm, or fixation can be carried

out for 24 h for follow-up operations, large specimens can appropriately extend the fixation time. In vitro cultured cells were fixed within 15 minutes.

Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. In order to ensure that the fixation solution fully penetrates the tissue, the thickness of the sampling tissue should not exceed 5 mm, and the amount of fixation solution should be sufficient. If the volume is not large enough, the fixation solution can be replaced 2-3 times during fixation.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

Servicebio® FAA Fixative Solution (50%)

Cat. No.: G1108-15ML

Product Information

Product Name	Cat.No.	Spec.
FAA Fixative Solution (50%)	G1108-500ML	500 mL
	G1108-15ML	15 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

FAA fixing solution (50%) of this product, namely formaldehyde-ethanol-glacial acetic acid fixing solution, is prepared by 5% formalin, 5% glacial acetic acid, and 90% 50% ethanol. It is suitable for the fixation and preservation of general plant roots, stems, leaves, anthers and ovary tissues, and is widely used in the study of plant morphology and anatomy. The best advantage of this fixative is that it can also act as a preservative, but it is not suitable for chromosome observation.

This product is available in 500mL bottles and 15mL single containers to meet various needs. One single installation is ready to use, to avoid pollution. It is easy to observe the sample in transparent tube. Leak-proof design ensures safe use and transportation. Labels are pre-attached to facilitate timely recording of sample information.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

After the plant tissue is removed, it is rinsed with water and then placed in FAA fixing solution. Larger tissue needs to be cut into small pieces and fixed again. Generally, it is fixed in FAA fixative for more than 24 h. Small or young tissue can reduce the time appropriately according to the size of the material. If possible, the sample is immersed in the fixation solution and then the fixation can be promoted by vacuuming.

Note

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. To ensure that the fixation solution fully penetrates the tissue, additional vacuuming treatment can be added.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

Servicebio® FAA Fixative Solution (50%)

Cat. No.: G1108-15ML

Product Information

Product Name	Cat.No.	Spec.
FAA Fixative Solution (50%)	G1108-500ML	500 mL
	G1108-15ML	15 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

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This product is available in 500mL bottles and 15mL single containers to meet various needs. One single installation is ready to use, to avoid pollution. It is easy to observe the sample in transparent tube. Leak-proof design ensures safe use and transportation. Labels are pre-attached to facilitate timely recording of sample information.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

After the plant tissue is removed, it is rinsed with water and then placed in FAA fixing solution. Larger tissue needs to be cut into small pieces and fixed again. Generally, it is fixed in FAA fixative for more than 24 h. Small or young tissue can reduce the time appropriately according to the size of the material. If possible, the sample is immersed in the fixation solution and then the fixation can be promoted by vacuuming.

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. To ensure that the fixation solution fully penetrates the tissue, additional vacuuming treatment can be added.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

Servicebio® FAA Fixative Solution (70%)

Cat No.: G1103

Product Information

Product Name	Cat.No.	Spec.
FAA Fixative Solution (70%)	G1103-500ML	500 mL
	G1103-15ML	15 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; preserve the gross specimen. Finally, fixation can enhance the effect of staining.

FAA fixing solution (70%) of this product, namely formaldehyde-ethanol-glacial acetic acid fixing solution, is prepared by 5% formalin, 5% glacial acetic acid, and 90% 70% ethanol. It is suitable for the fixation and preservation of general plant roots, stems, leaves, anthers and ovary tissues, and is widely used in the study of plant morphology and anatomy. The best advantage of this fixative is that it can also act as a preservative, but it is not suitable for chromosome observation.

This product is available in 500mL bottles and 15mL single containers to meet various needs. One single installation is ready to use, to avoid pollution. It is easy to observe the sample in transparent tube. Leak-proof design ensures safe use and transportation. Labels are pre-attached to facilitate timely recording of sample information.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

After the plant tissue is removed, it is rinsed with water and then placed in FAA fixing solution. Larger tissue needs to be cut into small pieces and fixed again. Generally, it is fixed in FAA fixative for more than 24 h. Small or young tissue can reduce the time appropriately according to the size of the material. If possible, the sample is immersed in the fixation solution and then the fixation can be promoted by vacuuming.

Note

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. To ensure that the fixation solution fully penetrates the tissue, additional vacuuming treatment can be added.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

Servicebio® FAA Fixative Solution (70%)

Cat No.: G1103

Product Information

Product Name	Cat.No.	Spec.
FAA Fixative Solution (70%)	G1103-500ML	500 mL
	G1103-15ML	15 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; preserve the gross specimen. Finally, fixation can enhance the effect of staining.

FAA fixing solution (70%) of this product, namely formaldehyde-ethanol-glacial acetic acid fixing solution, is prepared by 5% formalin, 5% glacial acetic acid, and 90% 70% ethanol. It is suitable for the fixation and preservation of general plant roots, stems, leaves, anthers and ovary tissues, and is widely used in the study of plant morphology and anatomy. The best advantage of this fixative is that it can also act as a preservative, but it is not suitable for chromosome observation.

This product is available in 500mL bottles and 15mL single containers to meet various needs. One single installation is ready to use, to avoid pollution. It is easy to observe the sample in transparent tube. Leak-proof design ensures safe use and transportation. Labels are pre-attached to facilitate timely recording of sample information.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

After the plant tissue is removed, it is rinsed with water and then placed in FAA fixing solution. Larger tissue needs to be cut into small pieces and fixed again. Generally, it is fixed in FAA fixative for more than 24 h. Small or young tissue can reduce the time appropriately according to the size of the material. If possible, the sample is immersed in the fixation solution and then the fixation can be promoted by vacuuming.

Note

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. To ensure that the fixation solution fully penetrates the tissue, additional vacuuming treatment can be added.
3. Please tighten the cap in time after use to prevent volatile active ingredients.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

Servicebio® Carnoy's Fixative Solution (Used to Fix Intestinal Mucus)

Cat No.: G1120-500ML

Product Information

Product Name	Cat.No.	Spec.
Carnoy's Fixative Solution (Used to Fix Intestinal Mucus)	G1120-500ML	500 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining.

This product (Carnoy's Fluid/ Carnoys Fixative) can be used to fix the mucus layer of animal intestinal tissue, and the sample can be used for PAS and AB-PAS staining of intestinal mucus layer to obtain excellent staining effect. This product composition: ethanol: glacial acetic acid =3:1.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

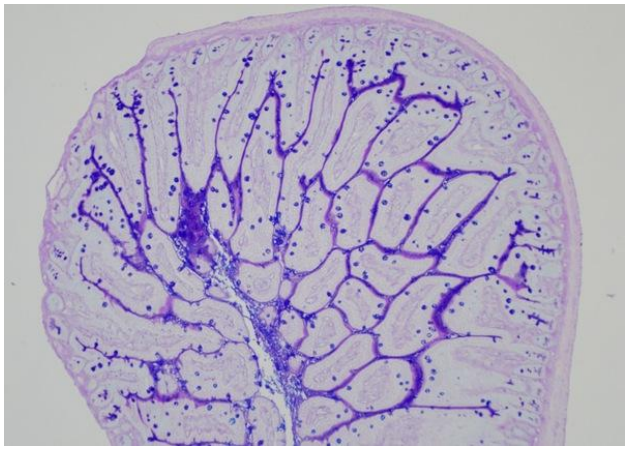
Assay Protocol

When taking animal intestinal tissue, the length of intestinal tissue is required to be greater than 5 mm, do not wash with water after taking the material, immediately put into the fixative solution, the fixation time is more than 4 h, not more than 7 days, which can better preserve the intestinal mucus layer. After the tissue is fixed, short-term dehydration (absolute ethanol twice, 40-60 min each time) is directly used with absolute ethanol, xylene is transparent, paraffin embedding, paraffin sections are prepared, and then PAS, AB-PAS is used to stain the mucus.

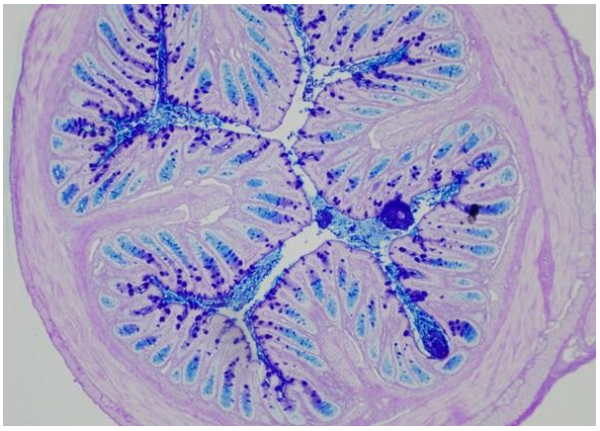
Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. Intestinal tissue should not be washed during sampling, and intestinal contents should be retained to avoid extrusion, otherwise the integrity of tissue structure will be affected.
3. The fixed tissue is directly dehydrated with absolute ethanol for a short time. Water-bearing ethanol should not be used for dehydration, otherwise the sugary mucous material will be lost.
4. Please tighten the cap in time after use to prevent volatile active ingredients.
5. For your safety and health, please wear a lab coat and disposable gloves when operating.

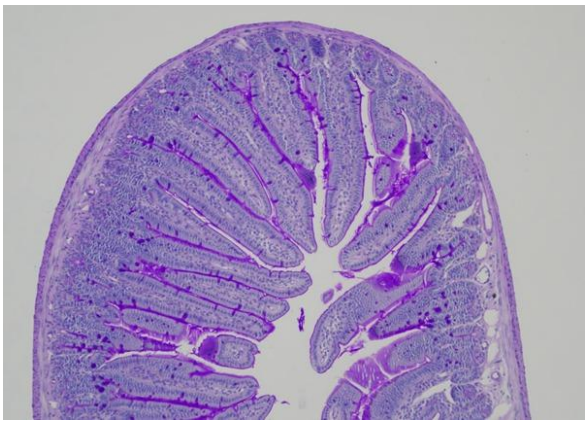
Images:



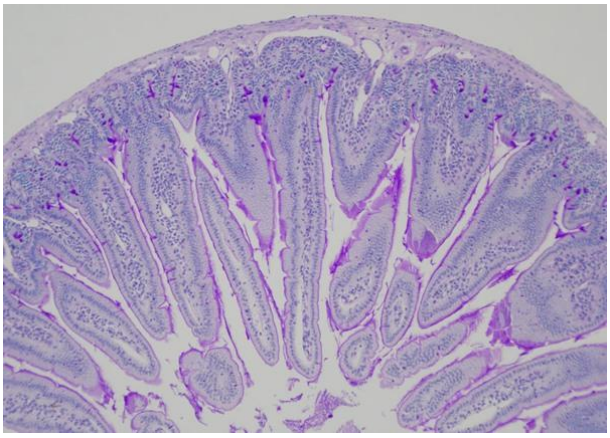
Jejunum in mice, AB-PAS, 100X.



Mice rectum, AB-PAS, 100X.



Jejunum in mice, PAS, 100X.



Duodenum of mouse，PAS，100X。

Servicebio® Special Fixative Solution for Fat

Cat No.: G1119

Product Information

Product Name	Cat.No.	Spec.
Special Fixative Solution for Fat	G1119-100ML	100 mL
	G1119-250ML	250 mL

Description

In histopathology, tissues must be fixed in a timely and effective manner before they can be subsequently embedding and sectioning. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining.

Adipose tissue contains a large number of lipid droplets, and if it is not effectively fixed in time, fat cell membrane damage is prone to occur during paraffin filmmaking, resulting in incomplete adipocyte structure. In the process of ice cutting and fat dyeing, fat droplet displacement is prone to occur. This product fat special fixative solution is specially used for the fixation of adipose tissue, which can effectively and timely fix fat, solve the above production problems, and prepare good quality fatty paraffin sections and frozen sections. The main components of this product are formaldehyde, glacial acetic acid and a small amount of ethanol.

Storage and Handling Conditions

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

Assay Protocol

The fresh adipose tissue was removed and fixed in special adipose fixation solution for more than 24 h. The volume of fixed fluid was determined to be completely immersed in the tissue and the tissue could move freely. Due to the small density of adipose tissue, appropriate amount of absorbent cotton balls can be inserted on the surface of the fixation container to make the adipose tissue sink into the fixation fluid and get full fixation.

Servicebio® Special Fixative Solution for Fat

Cat No.: G1119

Product Information

Product Name	Cat.No.	Spec.
Special Fixative Solution for Fat	G1119-100ML	100 mL
	G1119-250ML	250 mL

Description

In histopathology, tissues must be fixed in a timely and effective manner before they can be subsequently embedding and sectioning. The role of tissue fixation is to maintain the inherent form and structure of tissues and cells, prevent bacterial corrosion and autolysis of tissue cells, preserve the inherent substances in cells, coagulate intracellular proteins, minimize or terminate the reaction of endogenous and exogenous enzymes, so that cells or tissues basically remain the same as the substances in life, and also make tissues harden, which is convenient for tissue cutting. For some infectious specimens, it can prevent the spread of disease; Keep rough specimens. Finally, fixation enhances the effect of staining.

Adipose tissue contains a large number of lipid droplets, and if it is not effectively fixed in time, fat cell membrane damage is prone to occur during paraffin filmmaking, resulting in incomplete adipocyte structure. In the process of ice cutting and fat dyeing, fat droplet displacement is prone to occur. This product fat special fixative solution is specially used for the fixation of adipose tissue, which can effectively and timely fix fat, solve the above production problems, and prepare good quality fatty paraffin sections and frozen sections. The main components of this product are formaldehyde, glacial acetic acid and a small amount of ethanol.

Storage and Handling Conditions

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

Assay Protocol

The fresh adipose tissue was removed and fixed in special adipose fixation solution for more than 24 h. The volume of fixed fluid was determined to be completely immersed in the tissue and the tissue could move freely. Due to the small density of adipose tissue, appropriate amount of absorbent cotton balls can be inserted on the surface of the fixation container to make the adipose tissue sink into the fixation fluid and get full fixation.

Servicebio® Environment Friendly GD Fixative Solution

Cat No.: G1111-10ML

Product Information

Product Name	Cat.No.	Spec.
Environment Friendly GD Fixative Solution	G1111-100ML	100 mL

Description

In histopathology, the tissue must be promptly and effectively fixed before subsequent embedding and sectioning can be completed. Organization fixed role is to maintain the inherent morphology and structure of organization, cell, prevent bacteria corrosion and tissue autolysis, save the inherent material inside the cell, the cell protein coagulation, as far as possible to reduce or end of endogenous and exogenous enzyme reaction, keep the cell or tissue basically like living material, also can make the organization hardening, easy to repair the cut of the organization. For certain infectious specimens, can prevent the spread of disease; Preserve the gross specimen. Finally, fixation can enhance the effect of staining. Formaldehyde is the most commonly used fixative, with strong penetration, uniform fixation, tissue shrinkage and appropriate hardness, which is suitable for the fixation of most tissue samples.

This product is environmentally friendly GD fixation solution, specially used for muscle tissue fixation. Compared with conventional fixation solution, this solution can improve the problem of muscle tissue lobes and obtain high-quality muscle tissue slices. The main ingredients of this product are formalin, glacial acetic acid and absolute ethanol.

Storage and Handling Conditions

Transport at room temperature; Store in a cool and dry place, away from direct sunlight, valid for 24 months.

Assay Protocol

The freshly harvested muscle tissue was quickly put into the fixation fluid, and the ratio of tissue to fixation fluid was not less than 1:10.

It can be fixed at room temperature for about 6-24 h.

Note:

1. Use the product in a well-ventilated environment with proper protection to avoid inhalation.
2. Please tighten the cap in time after use to prevent volatile active ingredients.
3. For your safety and health, please wear a lab coat and disposable gloves when operating.

Specimen Bottle

It can be used to fix and transport a variety of tissue samples without leakage and free movement of tissues without being squeezed

Online Consultation

Cat.No.： G6008-40ML

Brand： Servicebio

Spec.: 20 pcs/bag (40 mL/pc)

Product Introduction | Related Products

Product Information

Cat.No.	Product Name	Spec.
G6008-40ML	Specimen Bottle	20 pcs/bag (40 mL/pc)

Product Introduction1. Bottle height: 6.5 cm, diameter 3 cm;

2. Plastic material, screw cap, good sealing, can ensure no leakage during transportation;

3. The texture is hard, which can effectively prevent the fixed tissue from being squeezed during transportation and affecting the subsequent experimental results;

4. It is suitable for the fixed transportation of various types of tissues, and can withstand a variety of fixatives without being corroded;

5. The bottle body is made of PP material, and the bottle cap is made of HDPE material.

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
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Белгород (4722)40-23-64
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Брянск (4832)59-03-52
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Екатеринбург (343)384-55-89
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Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
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Чита (3022)38-34-83
Якутск (4112)23-90-97
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