
Experimental Animal Depilatory Agent (III)

Cat. No.: E1511183 | Pack size: 100 mL | Storage: Room temperature

Overview

Experimental animals refer to animals that are artificially bred for scientific research purposes, primarily used in bioassays, disease diagnosis, biopharmaceutical development, teaching, and other scenarios. Common types include small experimental animals such as mice, rats, and rabbits, large experimental animals such as dogs, sheep, and pigs, as well as other experimental organisms such as fish, birds, and frogs. In clinical research on human disease prevention and treatment, due to ethical and practical constraints, direct human trials are not feasible. Thus, experimental animals serve as indispensable research vehicles and play a critical role in related scientific work.

Animal experimental techniques are essential foundational skills for clinical medical researchers, encompassing core components such as experimental animal selection, experimental animal handling, and animal model construction. The complete technical system also includes modules such as aseptic techniques, pre-experiment planning and material preparation, and post-experiment animal management. Anesthesia of experimental animals, hair removal, and disinfection of the surgical area are key preparatory steps before animal surgery.

Hair removal in experimental animals is a crucial part of skin preparation for animal surgery. The area of hair removal should extend beyond the surgical operation zone to ensure an aseptic environment and clear visibility during the procedure. Common hair removal methods include clipping, shaving, chemical depilation, and plucking. Chemical depilation, which relies on chemical depilatory agents to remove animal fur, is a frequently used method for aseptic surgery in animals. Experimental chemical depilatory agents are mainly divided into two categories, designed for large animals such as dogs and small animals such as rabbits and mice. Typically, depilatory agents for large animals have higher concentrations of active ingredients.

Experimental Animal Depilatory Agent (III), primarily composed of sodium sulfide, is suitable for hair removal in small experimental animals. This reagent is intended solely for scientific research purposes and must not be used in clinical diagnosis or other non-research scenarios.

Procedure (For Reference Only)

Trim the fur at the intended surgical site, then use a cotton ball to apply a thin layer of the depilatory agent to the area where hair removal is desired.

After 2-3 minutes, rinse off the removed fur with warm water, dry the area with gauze, and apply a layer of vaseline.

Safety & Precautions

- Cooperative animals should undergo hair removal before anesthesia, while uncooperative animals should be treated after anesthetic induction or under basal anesthesia.
- Avoid using excessive amounts of depilatory agent or leaving it on for too long to minimize skin irritation.
- For your safety and health, please wear a lab coat and disposable gloves during operation.
- Use the reagent as soon as possible after opening to avoid affecting subsequent experimental results.
- Wear a lab coat, disposable gloves and eye protection during handling.
- Use only under an approved research protocol and in accordance with applicable institutional guidelines.

Key Features

- Supplied as BioReagent grade material for research workflows.
- Designed for use in In Vivo Imaging applications.
- Available pack size: 100 mL.
- Storage condition: Room temperature.
- Related name(s): Animal Depilatory Agent | Laboratory Animal Depilatory.
- For research use only; not intended for clinical diagnosis, treatment, food, or household applications.

Product Information

Item	Description
Cat. No.	E1511183
Product Name	Experimental Animal Depilatory Agent (III)
Specifications & Purity	BioReagent
Synonyms	Animal Depilatory Agent Laboratory Animal Depilatory
Pack Size	100 mL
Storage	Room temperature
Stability & Storage	Store at room temperature long term (12 months).
Shipped In	Normal

Item	Description
Recommended Application	In Vivo Imaging

Materials Required But Not Supplied

Item	Recommended Specification	Purpose
Personal protective equipment	Lab coat, disposable gloves, eye protection	Safe handling and contamination control
Cotton swab, brush, syringe or applicator	As required by the experimental procedure	Application or administration
Physiological saline / PBS	As required by the protocol	Dilution or sample preparation
Timer and animal handling tools	Suitable for the animal model	Controlled operation and observation

Quality Control

QC Item	Method	Acceptance Criteria
Visual inspection on receipt	Confirm that the container is intact and the label, lot number, pack size and expiry information are legible.	No leakage, visible damage or labeling inconsistency.
Product identity and specification	Check the product label and lot-specific COA against the product information in this manual.	Product name, Cat. No., grade/purity and storage condition match the ordered product.
Appearance / usability	Inspect before use according to the source precautions and applicable laboratory SOPs.	No abnormal precipitation, discoloration, contamination or degradation that would interfere with the intended assay.

Troubleshooting

Issue	Possible Causes	Corrective Action
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Issue	Possible Causes	Corrective Action
Incomplete hair removal	Insufficient contact time or uneven application	Apply evenly and follow animal-care-approved timing; remove and clean as soon as the desired effect is achieved.
Skin irritation	Excessive exposure or inappropriate application area	Use only according to institutional animal care protocols and monitor the animal after use.
Poor imaging area preparation	Residual hair or reagent remains on the surface	Clean the area thoroughly before imaging or subsequent operation.

Recommended Applications

In Vivo Imaging.

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, please contact Aladdin Scientific through the offices below.

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Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, food, cosmetic, or household applications unless specifically authorized by applicable documentation.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared or FDA-approved diagnostic product.
- Where any product or component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), users must follow the current SDS, product label and local regulations.
- Performance depends on sample type, sample condition, storage, handling, and operator technique. Users are responsible for validating suitability for their intended research application.



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Product Instructions
For Research Use Only
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- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If any discrepancy is identified, contact Aladdin Scientific before use.