

Space Cleaner™

超净台防污染清洁剂

LEMNISCARE™
LemnisCare Medical Technology
请仔细阅读说明书并按规范使用
LS-SX03-1812-5002

产品简介

Space Cleaner 是一款专为实验室超净台防污染设计的清洁剂。A 瓶能有效去除 DNA/RNA 等核酸残留污染，消除假阳性；B 瓶能对超净台抗菌灭菌、防霉保洁。适用于超净台、PCR 实验室环境、PCR 设备和耗材等。

主要成分

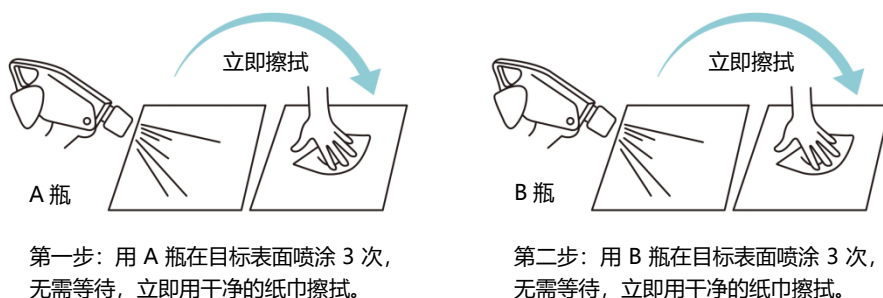
A 瓶：水、乙氧基化合物（表面活性剂）等；B 瓶：Ag⁺等复合纳米离子溶液。

作用原理

A 瓶有效成分和核酸耦合改变吸附在仪器和实验台表面的核酸电荷分布，促进核酸脱离被吸附表面，然后再结合擦拭过程中产生的剪切力，进一步使得核酸从吸附表面解离出来，进入 Space Cleaner™试剂体系中。另外，Space Cleaner™可在常温下非酶水解核酸链，达到去污染的效果。B 瓶 Ag⁺等纳米离子可以迅速结合细菌体中蛋白酶上的巯基（-SH），干扰细菌 DNA 合成；同时，Ag⁺和蛋白质的结合使蛋白酶丧失活性，导致细菌死亡。Ag⁺具有较高的氧化还原电位，因此，细菌死亡后又会游离从菌体内释出，周而复始地产生杀菌抗菌作用。

使用方法

先将 Space Cleaner™ A 瓶在目标表面喷涂 3 次，用干净的纸巾擦拭即可，无需用水冲洗；B 瓶重复上述操作。亦可将难以清洁的细小部件分别置于 Space Cleaner™ A 瓶和 B 瓶中浸泡 1 分钟，然后用清水冲洗干净晾干后安装。



注意事项

1. 在处理试剂时应佩戴安全眼镜和一次性手套。
2. 本品可用于玻璃，陶瓷，塑料，橡胶，钢和金属等材质。
3. 避免在电动分配器或天平等电子设备上直接使用本品，可将无菌纸巾用 Space Cleaner™喷湿，快速擦拭清洁。

保存条件

室温储存，避免阳光直射。有效期 1 年。

常见问题

1. 试剂会不会影响正常实验？答：不影响实验正常进行。
2. 是否易燃易爆？答：非可燃性且非易爆物质，请放心运输、存储。
3. 不慎吞服或眼睛接触该如何处理？答：吞服后大量饮水、冲洗眼睛，及时送医。
4. 不知道实验室有没有被污染，如何检测？答：可使用朗司核酸纯化试剂盒在冰箱门把手、冷冻架或实验台面、离心机等取样后进行 PCR 检测。

型号、规格

货号	产品名称	产品规格
SCN01-0300	超净台防污染清洁剂（Space Cleaner™）	A 瓶：300 mL；B 瓶：300 mL



Space Cleaner™

For super clean tables

LEMNISCARE™

LemnisCare Medical Technology

Please follow the instruction

LS-SX03-1812-5002

Product Introduction

Space Cleaner™ is a cleaner specially designed for pollution prevention of laboratory super clean tables. Bottle A can effectively remove DNA/RNA and other residual nucleic acid pollution, as well as eliminate false positives; Bottle B can sterilize, prevent mildew and clean the super clean table. It is suitable for super clean desk, PCR laboratory environment, PCR equipment and consumables, etc.

Main Ingredients

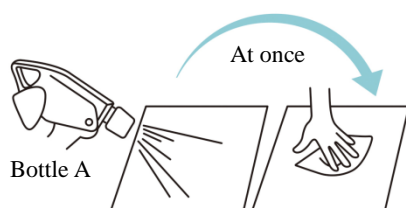
Bottle A: water, ethoxy compounds (surfactants) and so on; Bottle B: Ag^+ and other composite nanoionic solutions.

Function Principles

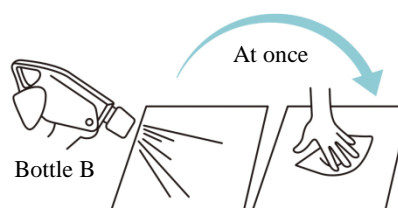
The main principle of Bottle A is to change the charge distribution of the nucleic acid adsorbed on the surface of the instrument and the test bench under the combined action of the effective components in the solution, to promote the detachment of the nucleic acid from the adsorbed surface, and then further combine the shear force generated during the wiping process to further contaminate the nucleic acid. Dissociated from the adsorption surface and entered the Space Cleaner™ reagent system to achieve the effect of removing surface nucleic acid contamination. Space Cleaner™ can non-enzymatically hydrolyze nucleic acid strands under normal temperature conditions to achieve the effect of decontamination. The main principle of Bottle B is Ag^+ plasma nanoparticles can rapidly bind to the mercapto ($-\text{SH}$) on protease in bacteria, interfering with bacterial DNA synthesis. At the same time, the binding of Ag^+ and protein makes the protease inactive, leading to bacterial death. Ag^+ has a high redox potential, so after the death of bacteria, it will be released freely from the bacteria and produce bactericidal and antimicrobial effects from cycle to cycle.

Operation Instructions

First spray the Space Cleaner™ Bottle A on the target surface three times, wipe it with a clean paper towel, without washing with water; Bottle B repeats the above operation. It can also soak the hard-to-clean small parts in the Space Cleaner™ Bottle A and Bottle B for 1 minute, then rinse them with clean water and dry them before installing them.



Step1: Spray three times on various surfaces, no need to wait, dry with clean paper at once.



Step2: Spray three times on various surfaces, no need to wait, dry with clean paper at once.

Precautions

Wear safety glasses and disposable gloves when handling reagents; This product can be used in glass, ceramics, plastics, rubber, steel and metals; Avoid using Space Cleaner™ on electronic devices, such as electric dispensers or balance, spray sterile paper towels with Space Cleaner™ and wipe them quickly.

Storage & Term of validity

Room temperature, avoid direct sunlight, valid for 12 months.

Product Specifications

Cat. No.	Product Name	产品规格
PCN01-0500	Space Cleaner™	Bottle A: 300 mL; Bottle B: 300 mL

