Medical–Biological
Research & Technologies

PDS-250

DNA/RNA decontamination solution, spray

User instructions

1. Background

The presence of contaminant DNA and RNA in molecular biology laboratories, especially PCR workstations, can result in PCR artifacts, false positive results and inaccurate data. Removal of nucleic acid contaminations has proven to be no trivial matter, as DNA contaminations are particularly sustainable. PDS-250 is a ready-to-use solution for the removal of nucleic acids from most surfaces at PCR workstations and/or lab devices and equipment. This cleansing solution contains a surfactant and a non-alkaline and non-carcinogenic agent, and is highly active against plasmid, genomic and amplicon DNA and RNA contaminations.

PDS-250 is stable and heat resistant. PDS-250 should be stored at room temperature. At lower temperatures a precipitate might occur which can be resolved easily at 37°C. Storage for up to 2 weeks at 65 °C does not reduce the quality of the product.

2. Protection and precaution information

Eye contact and prolonged skin contact with PDS-250 may cause irritation. Therefore, safety glasses and disposable gloves should be worn while handling the reagent.

PDS-250 can be applied onto glass, ceramic, plastic, rubber, steel and precious metal. PDS-250 should not be used for the cleaning of light metal or non-ferrous metals. Do not use PDS-250 spray on electronic devices, like powered dispenser, or pipettes (see below for details).

3. Instructions for use

For the decontamination of smooth, non-porous surfaces spray PDS-250 directly on the surface, let soak for 1 minute and dry with a paper towel. Then rinse thoroughly with clean water and dry with a clean paper towel. For coated or sensitive surfaces, we recommend to spot test prior to use to avoid damage or discoloration.

Contamination of pipettes may occur even while using filtered tips. For decontamination, follow the manufacturer´s instructions and remove the shaft from the pipette. Remove seals and gaskets from the shaft. Soak the shaft for 1 minute in PCR Clean™, rinse thoroughly with clean water, dry and reassemble.

4. Specifications

Composition: ..... <2% phosphoric acid, < 0,2% ethoxylated alcohol, purified water.
Catalogue number:.....BS-040107-DK