PCR Clean™

Decontamination reagent for DNA, RNA, DNases, and RNases

Background

In molecular biology laboratories (e.g. PCR labs and PCR workstations), contaminants like DNA, RNA, DNases, and RNases are known causes of artifacts, false positive or false negative results, and inaccurate data. Nucleic acids, especially DNA, can be very resistant to treatment, which complicates their removal and requires particularly effective decontamination. On the other hand, contaminating DNases/RNases might lead to DNA/RNA target degradation, compromising entire PCR experiments.

PCR Clean™ is a ready-to-use solution for the removal of nucleic acids, DNases, and RNases from most surfaces (e.g. PCR workstations, work benches, lab equipment etc.). This cleaning solution contains a surfactant and a non-alkaline and non-carcinogenic agent and is highly active against plasmid, genomic and amplicon DNA and RNA as well as DNases and RNases contaminations. PCR Clean™ is stable and heat resistant and should be stored at room temperature. At lower temperatures, a precipitate might form, which can be dissolved by heating at 37 °C. Storage for ≤ 2 weeks at 65 °C does not reduce the product quality.

Protection and Precaution Information

Eye contact and prolonged skin contact with PCR Clean™ may cause irritation. Therefore, safety glasses and disposable gloves should be worn while handling the reagent.

PCR Clean™ can be applied onto glass, ceramic, plastic, rubber, steel, and precious metal. PCR Clean™ should not be used to clean light metal or non-ferrous metals. Do not use PCR Clean™ spray on electronic devices, like powered dispensers, or pipettes (see below for details). To avoid damage or discoloration, it is recommended to spot test the surfaces (e.g. coated or sensitive surfaces) to be treated prior to use.

Instructions for Use

For the decontamination of smooth, non-porous **surfaces,** spray PCR Clean™ directly on the surface, let react for 1 minute and and wipe with a dry paper towel. Then rinse thoroughly with clean water and dry with a clean paper towel. We recommend to spot test prior to use to avoid damage or discoloration.

Contamination of **pipettes** may occur even when 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.

For decontamination of **electronic laboratory devices**, we recommend PCR Clean™ Wipes (Cat. No. 15-2001 and 15-2002).

Composition: < 2 % phosphoric acid, < 0.2 % ethoxylated alcohols, purified water

Cat. No.: 15-2025 (250 ml Spray)
15-2200 (4 × 500 ml Refill)
15-2500 (5 liter Refill)

Germany:
Minerva Biolabs GmbH
Schkopauer Ring 13 | 12681 Berlin | Germany
Tel.: +49-30-2000437-0 | Fax: +49-30-2000437-9
E-mail: order@minerva-biolabs.com
Internet: www.minerva-biolabs.com

USA / Canada:
Minerva Biolabs Inc.
1 Jill Ct., Building 16, Unit 10
Hillsborough | NJ 08844 | USA
Phone: 1-908-524-4661
order@minervabiolabs.us | www.minervabiolabs.us