kogenebiotech

DNA Decontamination Reagent

PowerCleanser™ DNA Remover

NO DNA contamination NO toxic scent NO hazard

Minimizing PCR lab contamination

The high sensitivity of PCR renders it prone to false positive results because of, for example, exogenous contamination. Specific anti-contamination strategy is essential to minimize the chance of contamination. DNA Remover™ is a non-toxic scented, non-hazardous, and ready-to-use cleansing solution for quick DNA decontamination of all laboratory surfaces.

NO DNA contamination | NO toxic scent | NOT hazard

Principle & How to use

Positively charged agents in DNA Remover™ solution help to decontaminate DNA or RNA from the surface by neutralizing them. In addition, oxidative reagents in the solution react to modify the heterocyclic NH group in nucleic acids, which is resulted in the blocking of PCR by contaminant.

Contaminated lab with PCR carry-over or exogenous nucleic acids

Step 1.
Spray the DNA Remover™

Spray the DNA Remover™ to the lab surfaces.
: DNA Remover is positively charged.

Step 2.
Wipe off using paper towels

DNA Remover™ binds to nucleic acids and results in neutralization.
: Completely eliminated by wiping off.

Application : for all ordinary lab surfaces cleansing

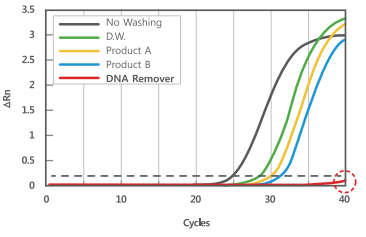
DNA Remover™ is intended for use at any cleaning time for removing PCR artifact from all laboratory surfaces, including bench, apparatus and pipette

All laboratory surfaces | Apparatus | Aerosol contamination

※ Note : Laboratory use only. Ensure adequate ventilation after using this product

Performance

We tested the efficiency of three decontamination treatments, Product A, Product B and DNA Remover™ designed to eliminate the DNA contaminant using PCR amplification product. We determined the degree of DNA degradation and the influence on PCR efficiency induced by the decontamination treatments compared to each other.



Method & Result

① 10^5 copies PCR product was dried into a each PCR reaction tube.
② The tubes were treated and washed with D.W.,Product A, Product B, and DNA Remover™ respectivly.
③ For all tubes, Real-time PCR assay was performed.
④ Only the PCR tubes treated with DNA Remover™ were not amplified.

Ordering information

Cat No.	Product	Size	Storage condition
CL0001	PowerCleanser™ DNA Remover	500 ml	4℃ (recommended) 12M; Room temperature 3M

RM1101, C-dong, 168, Gasan digital1-ro, Geumcheon-gu, Seoul, Korea 08507
Phone : +82 2 2026 2150 , Fax : +82 2 2026 2155 , E-mail : info@kogene.co.kr