

ALGIMED TECHNO

«CleanCheck DNA-RNA Free»
reagent kit for the detection
of DNA and RNA trace amounts

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Test principle

The test principle is based on the amplification of nucleic acids of different origin by the real-time polymerase chain reaction with hybridization-fluorescence detection.

Intended use

The reagent kit is designed to detect DNA and RNA trace amounts.

«CleanCheck DNA-RNA Free» reagent kit is used for:

- Detection of contamination in PCR laboratories on all types of surfaces, in solutions and reagents (which are not PCR inhibitors), on plastic consumables and accessories, on equipment, furniture and instruments.
- Control of residual contamination levels after disposal of PCR products in the laboratory and during cleaning operations.
- In-laboratory contamination control in the PCR laboratory.

«CleanCheck DNA-RNA Free» reagent kit is tested for the detection of DNA and RNA from the following material:

- Genomic DNA and RNA, including human, animal;
- plasmid/bacterial DNA;
- Viral DNA and RNA;
- Animal DNA and RNA;
- PCR products (amplicons);
- cDNA.

Advantages of the reagent kit

- No laborious procedure for nucleic acid isolation is necessary.
- Ability to detect DNA/RNA on various surfaces, clothing, equipment, and reagents.
- Detection of contamination localization.
- Time of analysis: 3 hours.
- No need to purchase new equipment.
- Sensitivity of DNA/RNA trace contaminants detection from 10 copies in the studied sample.

Contents and completeness «CleanCheck DNA-RNA Free»

Components	CCNA-24	CCNA-48
Swab	24	48
CleanCheck sample buffer	300 µl x 24	300 µl x 48
CleanCheck PCR-buffer	180 µl x 3	180 µl x 6
CleanCheck polymerase	20 µl x 3	20 µl x 6
Negative control sample	100 µl x 3	100 µl x 6
Positive control sample	100 µl x 1	100 µl x 1