Technical Bulletin

Product Information:

Ready-to-use biodegradable cleaning kit (Cat: VCK-001)

Kit contains: Cleaning reagent-A (500ml) pH 8.5; Stored at room temperature.
Cleaning reagent-B (5.0 ml) pH 9.5; Stored at -20ºC.

Catalog: VCK-001

Size: 500 mL *Research use only, not for diagnostic use.*

Description:

Ready-to-use biodegradable cleaning kit contains a combination of nuclei acid enzymes, protease enzymes and detergents that rapidly remove the fungus, bacteria, virus, DNA, RNA, protein, blood, tissue, fats, oils, soil, grit, grime, grease, chemical, solvents and bioreactor residues from various surfaces including the stainless steel, plastic tube, fiberglass, soft metal, rubber, ultrafiltration membrane, pipettor, sonicator, homogenator, blade, optical parts, centrifuge parts and container.

Corrosion testing may be advisable. Not for spray application.

Benefits and features:

- Free rinsing to remove most contamination without interfering residues.
- Biodegradable reagents and easily soak, wiped or rinsed away either manual or ultrasonic washing system.
- No corrosive acids and hazardous solvents involved.
- Ideal for lab-wares (pipettors, bench tops or plastic/glassware) which cannot be autoclaved, or UV irritations.
- Useful for PCR, RNA, DNA and protein experiments.

* Minutes for quickly removing the fungus, bacteria, virus, DNA, RNA, protein, blood and chemical contamination from various surfaces .

Cleaning methods: Soak, brush, sponge, ultrasonic, wipe, circulate, flow through clean-in-place.

Suggested protocol for removing DNA, RNA, DNAse/RNAse contamination:

1. **Prepare suitable volume of the cleaning reagent-AB mixture (reagent A: reagent B=100:1) in a container or tube, enough for covering all the contaminated parts.**
2. **Soak/immerse/circulate the contaminated parts in the cleaning reagent-AB mixture for 2-20 minutes.**
3. **Rinse or gentle shaking several times.**
4. **Rinse twice with autoclaved distill water or DEPC autoclaved water.**
5. **Air-Dry the clean parts for 10 minutes and ready to be used for downstream applications.**

Important note: All the used reagents after performing the above procedure should be immediately autoclaved or disinfected using 70% ethanol, and then discarded into the bio-hazardous container.

Precautions and Disclaimer: