

Biocidal ZF™

Spray Disinfectant for Incubators and Sterile Cabinets in Cell Culture Area



Effectiveness:

Biocidal ZFTM is effective against bacteria, spores and enveloped viruses.

Non-volatile:

Active microbiocidal ingredients are non-volatile. They protect cell cultures from microbial contamination and do not invade cell cultures via air. Thus cell cultures are protected against contamination and the disinfectant itself.

Application for incubators

- Empty incubator
- Spray Biocidal ZFTM on all surfaces and let settle
- Put cultures right back Surfaces will be protected for 2-4 weeks. (Before disinfecting you may clean incubator with Biocidal ZFTM if necessary)

Application in sterile benches

- Empty sterile bench

- Then clean with Biocidal ZFTM and finally spray on all surfaces. Protection will prevail until next workshift. No combustible gases can form, unlike by use of ethanol

Cat.#	WAK-ZF-1	1 x 1	liter spray bottle	Active Ingredients:	Quaternary ammonium compounds -free of aldehydes-
	WAK-ZF-6	6 x 1	liter spray bottle	Storage:	Room temperature
	WAK-ZF-12	12 x 0.2	liter spray bottle	Materials compatibility:	Universal inclusive fittings within incubators and sterile cabinets
Precautions:	Avoid eyes and skin contact				
Disposal:	Biologically degradable				

Material Safety Data Sheet

1. Product Description

Catalog No.: WAK-ZF-1; WAK-ZF-6; WAK-ZF-12

Product name: **Biocidal ZFTM**

Purpose of use: Ready-to-use disinfectant to protect cell cultures from microbial contamination.

2. Chemical ingredients

Quaternary ammonium compounds, auxiliary additives.

3. Health hazard data

Weakly irritant for skin. Irritant for eyes and mucosa. Do not inhale spray-aerosols. Skin contact: promptly wash skin with water and mild soap. Eye or mucosa contact: rinse thoroughly with water for 15 minutes. Consult physician. Wear appropriate protective clothing to avoid body contact.

4. Emergency and first aid procedures

Ingestion: Give large amounts of water. Never give anything by mouth to an unconscious person. Never try to make an unconscious person vomit. Contact a physician.

5. Fire and explosion hazard data

Non inflammable. Water-soluble.

6. Steps to be taken in case material is released or spilled

Take up with absorbent material, rinse with water.

7. Handling instructions

Avoid contacts with eyes or mucosa. Wear protective clothing, gloves and glasses.

8. Storage

Protect from mechanical damage. Store light protected at room temperature

9. Physical data

Boiling point: 100°C

Appearance: colorless liquid

pH-value: 8.5 ± 0.5

Odor: n/a

Specific weight: $0.99 \pm 0.01 \text{ g/cm}^3$

Solubility: water soluble

Flammable limits: none

Chemical stability: stable > pH6

10. Stability data

Stable. Dangerous decomposition products not known.

11. Toxicological data

Potentially hazardous if inhaled or ingested. LD50 oral rat 50 000 mg/kg.

12. Waste disposal methods

Biologically degradable. Dispose like grey water.

13. Transportation requirements

No special instructions

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