

Biocidal ZF™

Spray Disinfectant for Incubators
and Sterile Cabinets in Cell Culture Area



Cell Culture Area



Effectiveness:

Biocidal ZF™ 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 ZF™ 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 ZF™ if necessary)

Application in sterile benches

- Empty sterile bench
- Then clean with Biocidal ZF™ and finally spray on all surfaces.

Protection will prevail until next workshift.
No combustible gases can form, unlike by use of ethanol.

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|--------------|-----------------------------|----------|--------------------|--------------------------|---|
| 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 ZF™**
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 ± 0.01 g/cm³
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

14. General

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, WAK-Chemie Medical GmbH makes no warranty with respect thereto and disclaims all liability from reliance thereon. Last revised 28. March 1999

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