

## Product Insert

### CHAMBER CLEANER (BENZALKONIUM CHLORIDE)

#### Products

AS-972 Chamber Cleaner 4L

#### Intended Use

Chamber Cleaner is a surface cleaner for use inside anaerobic chambers or glove boxes.

#### Summary

Chamber Cleaner is a 0.133% solution of Benzalkonium chloride. Benzalkonium chloride is a quaternary ammonium compound and cationic surfactant. Quaternary ammonium compounds mode of action is irreversibly binding to the phospholipids and proteins of the membrane, thereby impairing permeability.

#### Formulation

Benzalkonium Chloride (CAS 8001-54-5)	5.33	g
DI Water	4.00	L

#### Precautions

Wear suitable protective clothing including gloves and eye/face protection (if a splash hazard exists). This product is for use only by properly-trained and qualified personnel. Refer to the corresponding Chamber Cleaner safety data sheet.

#### Storage and Shelf Life

**Storage:** Upon receipt, store at room temperature until used. Avoid overheating or freezing. The expiration date applies to the product in its original packaging and stored as directed. Do not use product past the expiration date shown on the container.

**Shelf Life:** 2 years from date of manufacture.

#### Procedure

**Methods for Use:** Thoroughly mix Chamber Cleaner by inverting the closed container several times. Quantities suitable for daily use in the chamber should be dispensed into smaller squeeze bottles and properly labeled. Apply a generous quantity onto the area to be cleaned. Using a paper towel, wipe cleaner over the desired area. Leave wet and allow to air dry.

#### Materials Required, But Not Provided

Standard microbiological supplies and equipment such as paper towels, gloves, safety glasses, and appropriate biohazard disposal containers.

#### Limitations

Chamber Cleaner is not a sterilizing agent.

## Quality Control

**User Quality Control:** The final determination to the extent and quantity of user laboratory quality control must be determined by the end user.

**Physical Appearance:** Chamber Cleaner should appear as a clear, colorless liquid.

## References

1. *Biosafety in Microbiology and Biomedical Laboratories*, Edition 5, U.S. Department of Health and Human Services. HHS Publication No. (CDC) 21-1112, Revised December 2009
2. *Quality Control for Commercially Prepared Microbiological Culture Media; Approved Standard- Third Edition*. (2004). Clinical and Laboratory Standards Institute, CLSI document M22-A3. 940 West Valley Road, Suite 1400, Wayne, PA 19087-1898.
3. Merianos, J.J. 1991. Quaternary ammonium antimicrobial compounds. In S.S. Block (ed.), *Disinfection, Sterilization and Preservation*, 4<sup>th</sup> ed. (pp. 225-255). Lea Febiger, Malvern, PA.

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