

D-125[®]

WORLD'S MOST PREFERRED GREEN DISINFECTANT

3rd Generation

Quaternary Ammonium Compound

Active Ingredients

Alkyl Dimethyl Benzyl Ammonium Chloride	2.37% w/v
Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	2.37% w/v
Inert Ingredients	

Global Approvals



US-EPA - Registered Hospital Disinfectant

(Reg 61178-1) Approved as a High Level Hospital Disinfectant with Broad Spectrum Anti-microbial Activity in 10 minutes.



WHO Certified

World Health Organization

H1N1, H5N1, Measles, HBV and HCV.

Indian Approvals



DCGI



PGI
Chandigarh



SGPGI
Lucknow



Haffkine Institute
Mumbai



Apollo
Hospitals
Chennai



ICAR



- ✓ Disinfectant ✓ Bactericide ✓ Virucide
- ✓ Fungicide ✓ Tuberculocide ✓ Mildewstat
- ✓ Cleaner ✓ Deodorizer

Salient Features :

- ▶ US EPA Registered Disinfectant
- ▶ User friendly (Non irritant)
- ▶ Microbiocidal time - upto 10 min
- ▶ Eco-friendly(Bio-degradable)
- ▶ Non-Corrosive
- ▶ Non-toxic
- ▶ Non Hazardous
- ▶ Pleasant odour

Microgen

Redefining Hygiene...

D-125[®]

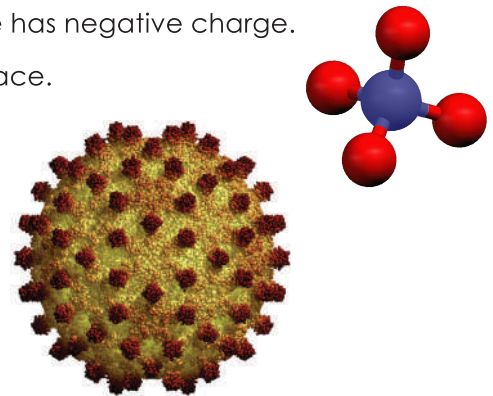
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About D-125 :

D-125 is a balanced, stabilized blend of 3rd generation twin chain quaternary ammonium compounds. D-125 is recommended for use as a hard surface disinfectant in the hospitals, nursing homes and various types of medical facilities. It delivers 99.9999% kill of more than 148 types of different pathogens including HIV, HBV, HCV, polio, H1N1, H5N1, etc. with no evidence of resistance, eliminating the need to rotate disinfectants to avoid resistance build up.

Mode of Action :

1. The compound has positive charge while microbial cell surface has negative charge.
2. Adsorption of compound on the bacterial/viral/fungal cell surface.
3. Diffusion through the cell wall.
4. Binding to the cytoplasmic membrane.
5. Disruption of the cytoplasmic membrane.
6. Release of K⁺ ions and other cytoplasmic constituents.
7. Precipitation of cell contents leading to the death of the cells and inactivation of bacteria/viruses/fungal.



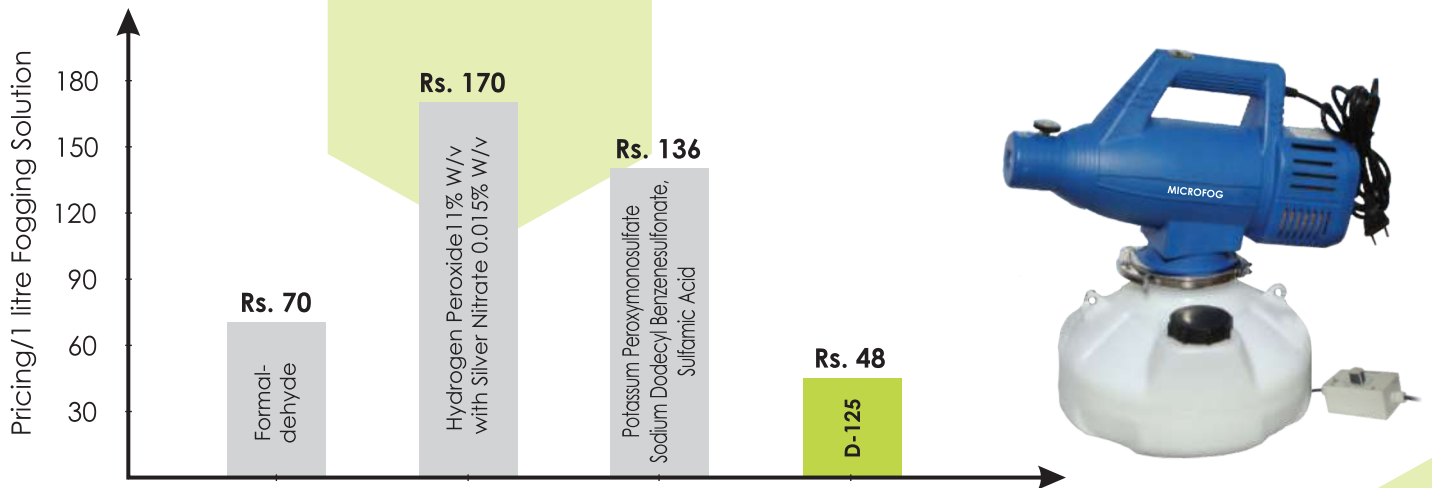
D-125 meets CDC selection criteria for surface disinfection of Health Care Facilities and Ebola Disinfection.

Reference : CDC - Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008
Interim Guidance for Environmental Infection Control in Hospitals for Ebola Virus

CDC recommends US EPA registered hospital disinfectant for:

1. **Housekeeping surfaces** (Floors, Walls)
2. **Noncritical surfaces** (Bed, Furniture's, trolleys)
3. **Medical equipment surfaces** (hemodialysis machines, and X-ray machines)
4. **Surfaces Disinfection in the Hemodialysis Unit** (label claims for HBV, HIV)
5. **Ebola Disinfection : Use of US EPA registered hospital disinfectant with a label claim for a non- enveloped virus (e.g., noro virus, rota virus, adeno virus, polio virus) to disinfect environmental surfaces in rooms of patients with suspected or confirmed Ebola virus infection.**

Fogging : Aerial disinfection 1000 cu. feet Operation Theater and Rooms (1Litre Fogging Solution)



Evaluation based on prevailing MRP's and recommended dilution of products.

Economics & Efficiency :

Contents	Formaldehyde	Hydrogen Peroxide + Silver nitrate	Potassium Peroxy-monosulfate, Sodium Dodecylbenzene-sulfonate, Sulfamic acid	D-125
Dilution (Fogging) per Litre of water	500 ml	200 ml	20 gm	15 ml
Merits-Demerits	Carcinogenic, Irritant, sticky surface	Unstable, non ecofriendly, irritant, burns, time consuming, corrodes high cost instruments in OT's & ICU's	Non-Ecofriendly, Corrosive, irritant, causes burn, not effective against mycobacteria, can cause damage to tissues	Eco friendly, non carcinogenic, non - irritant, non corrosive, non staining, pleasant odour, cost-time-labour saving, Broad spectrum antimicrobial activity.
MRP/Kg/L	Rs.70/-	Rs. 850/-	Rs. 6,800/-	Rs. 3200/-
Price difference in High Risk Area (per Lit. Dilution)	Rs. 70/-	Rs. 170/-	Rs. 136/-	Rs. 48/-
Contact time	-	20 minutes	10 minutes	10 minutes
Soil load tolerance	5%	5%	5%	95%
Hard water activity	No	No	No	Effective upto 800 ppm
Re-entry time after fogging	24 hrs	1 hr	1 hr	40 minutes



Direction for use :

Critical Area Dilution : 1: 64

Add 15 ml of **D-125** concentrate with 1000 ml of tap water for mopping wiping floors, walls, furnitures, equipments, operation tables O.T. lamps, etc.

Other Areas Dilution : 1 : 128

Add 7.5 ml of **D-125** concentrate with 1000 ml of tap water for mopping waiting area, corridors, Reception areas, Wards, etc.

Fogging Dilution : 1:64

Add 15 ml of **D-125** concentrate with 1 litre tap water for every 1000 cu.ft. in high risk areas like O.T, ICU, ICCU, NICU, Cath Lab, AKD, etc.

Areas of Application :

- | | |
|----------------------|-----------------------|
| 1. Operation Theatre | 9. Dialysis Unit |
| 2. Endoscopy | 10. Isolation Wards |
| 3. Emergency | 11. SICU |
| 4. ICU | 12. Burn Unit |
| 5. Dental Clinics | 13. Microbiology |
| 6. Labour room | 14. Blood Banks |
| 7. ICCU | 15. NICU |
| 8. Cath Lab | 16. Laboratory , etc. |

Versatility :

Can be used with a fogger machine to disinfect the operation theatre.

Can be used in mopping critical & semi critical surroundings

Excellent functionality as a laundromat.

Product specification :

Colour	: Purple
Fragrance	: Lavender
Shelf life	: 3 years (Concentrate) 64 days (diluted)
pH	: >10.5 (Concentrate)
Pack Size	: 100 ml. 1 litre (Concentrate)

A product of :

Microgen Hygiene Pvt. Ltd.

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