

# THEROL



## Quat-Surface Disinfectant Wipes

Why use fogging  
and sprays when  
you can simply  
**wipe**

### Every Day Cleaning & Disinfecting at



0%

Alcohol Free



Non Invasive Medical Device Cleaning




Kills 99.99% Germs




Lint Free Hydro-Tech Wipes




# Alcohol free quaternary ammonium wipes with bactericidal, fungicidal and virucidal actions for Cleansing & Disinfecting




MRI/CT/X-Ray Machines




Patient bed




Dialysis/ECG Machines




Ultrasound probes



Stethoscopes



Painted surfaces



Clinical Lab

**THEROL Quat Surface Disinfectant Wipes** are used for Non-Invasive Medical Device Cleaning and protecting. The wipes are impregnated with an Alcohol free formulation containing quaternary ammonium compounds that is used on a wide variety of Medical devices. The wet wipes provides convenience of cleaning and disposal while avoiding cross contamination.



## Product Application

Used on hard nonporous surface of: Diagnostic equipment, patient monitoring equipment, Dialysis Clinics, emergency rooms, home healthcare, hospitals, intensive care units, isolation areas, nursing homes, out patient clinics, operating rooms, patient restrooms, patient rooms, patient support bed railings, IV poles, glucometers, stethoscopes, ultrasound probes, scanners, MRI & CT Machines, stretchers, tables, cabinets, carts, chairs, granite counters, exam table and others.

**THEROL Wipes** are intended for disinfecting a wide variety of surfaces including

- MRI/CT/X-Ray Machines
- Dialysis/ECG machines
- Stethoscopes
- Ultrasound probes
- Patient bed
- IV stands
- Cleanroom Machineries

**THEROL Wipes** are Compatible with surfaces of

- Stainless steel
- Hard plastics
- Non porous vinyl
- Painted surfaces
- Plexiglas
- Laminated plastic
- Fiberglass

Quaternary Ammonium compounds are recommended by International Bodies including CDC US and EPA for cleaning non critical medical devices. The activity of a combination of Quats is higher than using a single Quat compound at a lower concentration level. The combination of ADBAC and ADEBAC has the best microbicidal activity against bacteria, fungi and encapsulated viruses. The formulation is non-toxic in nature and is compatible with a variety of materials that makes it easy to use for disinfection when compared to Alcohol, Aldehydes, Oxidizing agents such as Hydrogen peroxide and Bleaches. Quaternary ammonium compounds are considered Disinfectants, as defined by the US Centers for Disease Control and Prevention and CDSCO (Central Drugs Standard Control Organization, India).

## Method of working

The Quats in a solution are cationic in nature. They work by attracting, binding and disrupting the cells of microbes including Gram +ve bacteria, Gram -ve bacteria, fungi, yeast and encapsulated viruses which are -vely charged. The primary interaction between quaternary ammonium compounds and bacteria is electrostatic in nature. Cell membranes contain phospholipids which impart an anionic character to bacteria. Quaternary ammonium compounds, being cationic surfactants, show affinity for bacteria and exhibit antibacterial efficacy under these conditions. They interfere with the function of the cell membrane, resulting in leakage of cell components and eventually lysis, or destruction of the cell.

Description	Size of Wipe	Product Code	Units/Carton
THEROL Quat SD 160 Wipes	20 x 20cm	CM238	12 Nos
THEROL Quat SD 80 Wipes	15 x 20cm	CM240	24 Nos

## Active Ingredients

Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl benzyl ammonium chloride 0.25% w/v, Alkyl (68% C12, 32% C14) Dimethyl ethylbenzyl ammonium chloride 0.25% w/v

## Bactericidal | Virucidal | Fungicidal

IN-VITRO ANTIMICROBIAL EVALUATION AS PER AOAC Modified Method	
Bacteria	Kill time 99.9%
Staphylococcus aureus ATCC 6538	Under 1 minute
Listeria monocytogenes ATCC 19115	Under 1 minute
Enterococcus faecalis ATCC 29212	Under 1 minute
Escherichia coli ATCC 25922	Under 1 minute
Pseudomonas aeruginosa ATCC 15442	Under 1 minute
Klebsiella pneumoniae ATCC 4352	Under 1 minute

Fungi	Kill time 90%
Aspergillus niger ATCC 6275	Under 1 minute
Candida albicans ATCC 10231	Under 1 minute

### Directions for Use:

- For a new canister, break the seal and pull the wipe from the center of the roll.
- Guide the wipe inside the cap and close the lid.
- Open the canister cap and pull a wipe.
- For Surfaces, use a single wipe to clean and disinfect.
- Once opened, keep canister tightly closed.

