

vitrodx[®]-4 product information sheet



vitrodx[®]-4 is a mild organic disinfectant specifically formulated to conform to health industry specifications.

disinfectant for the health industry

- hard surface disinfection
- medical equipment
- clean in place (CIP)
- occupational health & safety hygiene

site of application examples

- wards, storerooms & bathrooms
- floors, walls & tiled surfaces
- laundry & uniforms
- plastic & nylon surfaces
- melamine & wooden surfaces
- steel surfaces, pans & trolleys
- disinfection of curtains/ coverings
- non-theater application

certifications

- SANS 636:2013: 10509/16606
- SANS 1853:2017: 10509/16608
- NRCS Act5GNR 529/263515/040/0827

advantages

- concentrated
- can be used cold

- non-corrosive to metals
- low-toxicity and non-mutagenic
- non-corrosive to surfaces at the prescribed dosage
- no rinse required in certain applications
- supports environmental sustainability
- opportunities for goodwill and publicity
- reduces mould and yeast microbial levels
- contains no chlorine, ethanol or aldehydes
- readily biodegradable
- cost effective
- reduces effluent
- disrupts biofilm

typical surface disinfection

- stainless steel tables
- wash basins
- sluice rooms
- extractor fan housings
- walls
- stainless steel valves
- cat walks
- fridges
- drain covers
- dip baths



kill rate

vitrodx®-4 at 20 millilitres per litre, will kill 99.9% of bacteria stipulated in SANS 636 within five minutes. In addition, at 20 millilitres per litre, vitrodx®-4 will meet the requirements stipulated in SANS 51276 with a kill rate of 99.999% within 5 minutes.

vitrodx®-4 efficacy

When tested using the tabulated test method, the performance specifications were met at these dilutions:

Test method	Organism	Effective dilution for Conditions (millilitre/litre)	
		clean	dirty
SANS 51276	Pseudomonas aeruginosa	10	-
	Enterococcus hirae	10	-
	Escherichia coli	10	-
	Staphylococcus aureus	10	-
	Campylobacter jejuni	5	-
	Lactobacillus plantarum	5	-
	Salmonella tranaroa	10	-
	Lactic Acid Bacteria	10	-
	Coliforms	10	-
NEN-EN 1650	Candida albicans	10	20
NEN-EN 13623	Legionella pneumophila	2.5	N/A

test specifications

NEN-EN 1650:

Chemical disinfectants and antiseptics – quantitative suspension test for the evaluation of fungicidal and yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – test method and requirements [phase 2, step 1].

NEN-EN 13623:

Chemical disinfectants and antiseptics – quantitative suspension test for the evaluation of bactericidal activity against Legionella of chemical disinfectants for aqueous systems – test method and requirements [phase 2, step 1].

SANS 51276:

Chemical disinfectants and antiseptics – quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas - test method and requirements [phase 2, step 1].

