



microdx™ product information sheet



microdx™ is a mild organic disinfectant specifically formulated to conform to food-grade specifications.

disinfectant for the food and beverage industry

- Hard surface disinfection
- Process equipment
- Clean In Place [CIP]
- Occupational health & safety hygiene

site of application examples

- Breweries
- Starch processing plants
- Food processing plants
- Abattoirs
- Industrial kitchens & refectories
- Fruit wash treatment facilities
- Meat breaking plants
- Sauce blenders
- Canned food manufacturers

certifications

- SANS 636:2013: 10509/16606
- SANS 1853:2009: 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
- Conforms to food grade specifications (SABS)
- Reduces mold and yeasts microbial levels
- Contains no chlorine, ethanol or aldehydes
- Readily biodegradable
- Cost-effective
- Reduces effluent
- Disrupts biofilm

typical surface disinfection

- Band saws
- Stainless steel tables
- Cutting boards
- Wash basins



typical surface disinfection

- Knife sterilizing units
- Platform scales
- Extractor fan housings
- Walls
- Manufacturing vessels
- Stainless steel valves
- Cat walks
- Fridges
- Transfer pumps
- Drain covers
- Conveyor belts
- Dip baths

critical hygiene points

At 400ppm Microdx™ is effective on equipment surfaces at critical hygiene points. Example: On pump inlets and outlets at sauce manufacturing plants. *

field trial hygiene level

Over a 30-day period the sauce production facility reached and maintained an accepted level of total hygiene.*

kill rate

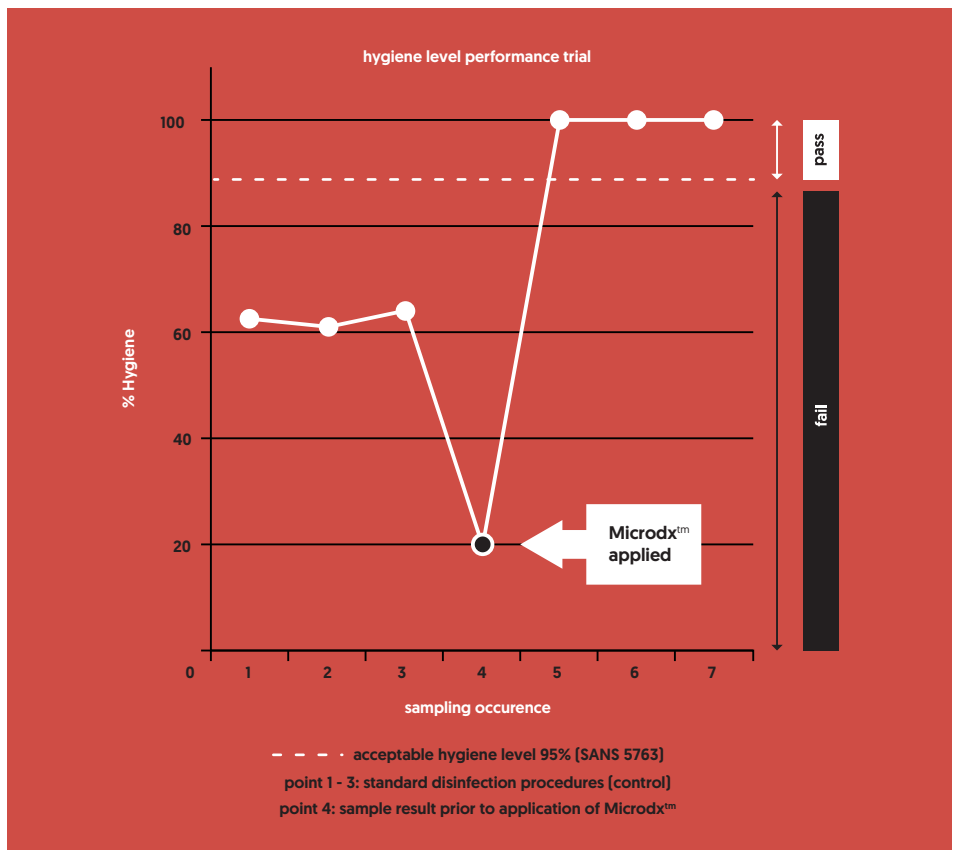
Microdx™ at 400 ppm will kill 99.9% of bacteria stipulated in SANS 636 within five minutes.

For non-rinse applications such as stainless-steel chutes, residual efficacy of up to seven hours has been demonstrated.*

In the adjacent graph illustrating the results the following features can be seen:

The first three samples represent the performance of the disinfectant regime used at the plant. The sample taken before application of Microdx™ indicated that percentage hygiene had dropped to 20%.

The samples taken after the Microdx™ product application all indicated a hygiene level above 95%, which is the desired hygiene pass rate.



*Field trial results: please contact Biodx directly for further information.