



BIO CLEANING SOLUTIONS

GreenWorx
CLEANING SOLUTIONS

Bio Tech GT X 1

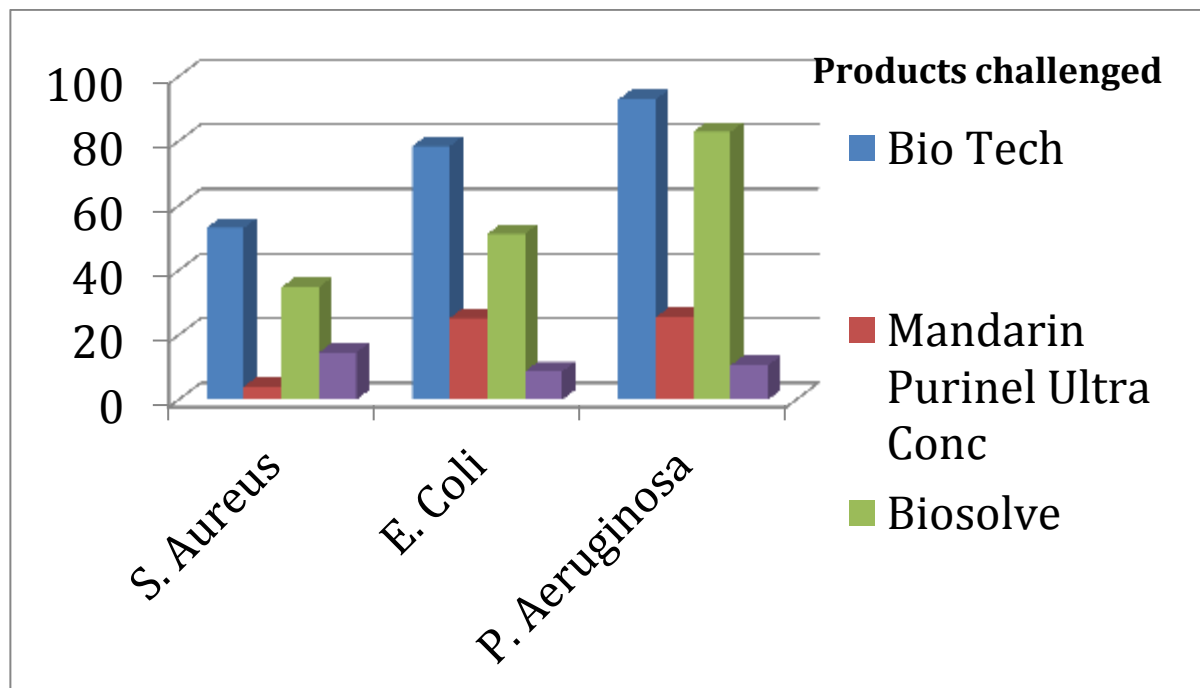
Application for - WC & Urinal Sanitiser

Multipurpose biological cleaning, deodorising, descaling, cleaning and sanitising solution for urinals
Non-toxic, non-corrosive multipurpose digester with odour eliminator

Bio Tech WC & Urinal Sanitiser is a proprietary blend formulation of plant surfactant based cleaners with a consortium of highly active bacterial spores and enzymes that will effectively degradate residual organics in the urinal the wall, inside the toilet bowl and on other hard surfaces. Organic deposits in nooks and crevices are often the result of common stains that will easily be eliminated. These deposits lead to stains and malodours. **Bio Tech WC & Urinal Sanitiser** effectively degradates organics resulting in odour control, stain and organics removal, while breaking down crystals in the drain line and clearing the drain line of blockages.

Bio Tech WC & Urinal Sanitiser is a bioactive grease cutting formulation with a unique combination of spore, cultures, enzymes and nutrients to effectively digest complex proteins, cellulose, starch, fats, oil and grease. A recent challenge test comparing **Bio Tech WC & Urinal Sanitiser** with leading sanitisers found that it was more effective in eradicating harmful pathogens. All tests were conducted by a SANAS accredited micro laboratory – a full copy is available on request.

Graphic representation of Bio Tech microbial solution's superiority in eradicating common pathogens found in toilets and urinals.



Bio Tech WC & Urinal Sanitiser eliminates pathogens. Industry standards indicate a five-minute kill time as the quickest time a sanitiser (QAC-based) is purported to kill the most common hygiene microorganisms; S. aureus, E. coli and P. aeruginosa. From a hygiene point of view the need is to sanitise and continue working. Nowadays, sanitizer manufactures are heading towards 1 minute kill time, i.e. The quicker the sanitizer kills bugs, the sooner you'll start with your work – however in a toilet and urinal this is not always required.

With Bacillus-containing products, it's different as these are live bacteria that need to compete with other microorganisms for food sources hence longer contact times are required. The pattern that bacillus uses (as seen in the study) to eradicate or out compete other organisms showed to be due to its morphological structure. That is, where it grows (multiplies), other microorganisms will move away from that site of the food source. Since it has a larger morphological structure than other organisms (competing against) it 'sort of' creates a zone of inhibition of growth of other microorganisms (morphological inhibition) hence, we get fewer numbers of other microorganisms surviving but more bacillus.

DATA SHEET

Features

- A selected blend of highly active live bacteria cultures
- Contains a balanced buffer system that secures optimum enzyme activity
- Cultures are a mixture of anaerobic and aerobic microorganisms
- High enzyme activity including protease, amylase, cellulose and lipase
- Non-volatile and non-corrosive
- Easy to be handled and to use
- Good stability and shelf life

Characteristics

Typical biological/biochemical characteristics:

- Minimum Aerobic 6.6 x 10⁷ CFU/ml
- Minimum Anaerobic 4.815 x 10⁷ CFU/ml
- pH 5.5 – 8.5

Physical characteristics:

- Appearance: Opaque liquid
- Odour: Fresh fragrance
- Standard packaging: 310ml (Multi-Fit universal cartridge), 5 litre, 25 litre containers

Optimum conditions for use:

Bacteria and enzymes in **Bio Tech WC & Urinal Sanitiser** perform within a pH range of 5.5 to 8.5 with the optimum near pH 7.0. Temperature affects the activity of the working solution and action increases with the rising temperatures up to 49°C. No or little activity can be expected below 5°C.

Storage and handling:

- Store in a cool, dry place
- Avoid excessive inhalation
- Wash hands after handling

Applications:

- Urinals and surrounding area
- Ready to use **Bio Tech WC & Urinal Sanitiser**
- The automated dosing system will cater for 3000 metered doses to be dispensed into the urinal or WC bowl
- **Bio Tech WC & Urinal Sanitiser** can be sprayed into each urinal or WC bowl and onto the tiles and tile grouting beneath the urinal or toilet bowl daily, or as required according to usage

Before:



After:



14 Days AFTER treatment with Bio Tech WC & Urinal Sanitiser

Bio Tech WC & Urinal Sanitiser is ideally used in conjunction with Odorite P-Holder Disc and Domes, Odorite Bio Cubes or P-Island.

Never use in conjunction with chemicals and disinfectants

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