



BIO CLEANING SOLUTIONS

Bio Tech GTX 10 FF

Application for - Deodorising Cleaning and Sanitising (DCS)

GreenWorx
CLEANING SOLUTIONS

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

Bio Tech GTX 10 DCS is a proprietary blend formulation of surfactant based cleaners with a consortium of highly active bacterial spores and enzymes that will effectively degrade residual organics on the urinal wall, inside the toilet bowl and 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 GTX 10 DCS** effectively degrades organics resulting in odour control and stain removal, while breaking down crystals in the drain line and clearing it of blockages.

Bio Tech GTX 10 DCS 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 GTX 10 DCS** with leading sanitisers found that **Bio Tech GTX 10 DCS** was more effective in killing harmful pathogens. All tests were conducted by a SANAS accredited micro-laboratory, a full copy is available on request.

Bio Tech GTX 10 DCS 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 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.

PRODUCT FEATURES & CHARACTERISTICS

Features	Characteristics
<ul style="list-style-type: none">• 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• Displays high enzyme activity including protease, amylase, cellulose and lipase• Is non-volatile and non-corrosive• Is easy to handle and to use• Displays good stability and shelf life	<p><i>Typical Biological/Biochemical Characteristics:</i></p> <ul style="list-style-type: none">• Concentrate – 6.6×10^8 CFU/ml• Diluted 1:10 (1.0 l concentrate to 10 litres water – 6.6×10^7 CFU/ml)• pH 5.5 – 8.5 <p><i>Physical Characteristics:</i></p> <ul style="list-style-type: none">• Appearance: Opaque liquid• Odour: Fresh fragrance• Standard packaging: 5 and 25l plastic containers

Optimum conditions for use:

Bacteria and enzymes in **Bio Tech GTX 10 DCS** perform with 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:

- Dilute to a ratio of 1:9 for an effective ready to use formulation
- Can be further diluted to a ratio of 1:9 **do not store – use product on the day of preparation**
- Store **Bio Tech GTX 10 FF** in a cool, dry place
- Avoid excessive inhalation

- Wash hand after handling

Applications:

- Urinals and surrounding area
- Toilet bowls
- Washroom floors
- Basins, baths, showers and surrounding areas

Ready to use mixture:

To create a ready to use **Bio Tech GTX 10 DCS** please adhere to the following mixing guidelines:

- Mix 100ml **Bio Tech GTX 10 DCS** into 10 litre water
- Spray solution into each urinal and onto the tiles and tile grouting beneath the urinal or toilet bowl daily or as required according to usage
- Or dispense via automated sanitiser
- Leave to air dry

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Manufactured and supplied by **Green Worx Cleaning Solutions**



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