

## RESIDUAL EFFECT

The residual effect of hand hygiene preparations should not be relied upon when dealing with high risk patients because of the variability of the potential challenge,  $100 - \log^6$  organisms/cm<sup>2</sup>, and the variability of the residual effect which is directly affected by transient surface contacts. The introduction of quick acting waterless gels overcome the practical difficulties of washing and should be used for patient to patient hand decontamination.

In preoperative surgical scrub products a residual effect is desirable. When subjected to a residual test in a GLP laboratory the F10 HAND SCRUB achieved a >99% kill after 2 successive challenges of 5,000,000 Staphylococcus spp. applied at intervals of 30 minutes, 1 hr, 2 hrs, 3 hrs, for a contact time of 1 minute.

## TOXICOLOGY

Acute oral toxicity - >5000mg/kg

Acute dermal toxicity - > 5000mg/kg

## IRRITATION

Acute dermal irritation - graded 0 (non-irritating)

Acute eye irritation - graded 0 on contact with cornea and iris after 24 hrs contact (non-irritating)

## DOSAGE AND DIRECTIONS FOR USE

Refer to each specific product label.

## PRECAUTIONS

**Ingestion:** Do not induce vomiting, give milk or water to drink

## WARNINGS

Do not mix with other soaps or chemicals

## PRESENTATION

HPE bottles of varying sizes.

Dispensing nozzle on 500ml bottle.

Available with elbow activated wall dispenser.

## STORAGE INSTRUCTION

Store below 30°C in dry conditions

## REGISTRATION HOLDER

Health and Hygiene (Pty) Ltd. PO Box 906, Florida Hills, 1716, South Africa

## MANUFACTURED BY

Health and Hygiene (Pty) Ltd in accordance with GMP compliance (Good Manufacturing Practice)

**F10**<sup>®</sup>  
PRODUCTS

**HAND  
HYGIENE  
PRODUCTS**



**F10**<sup>®</sup> HAND HYGIENE PRODUCTS

# F10<sup>®</sup> Hand Hygiene Products



## F10 HAND SCRUB

(Liquid, use as is, in 500ml and 5 litre)

## F10 HAND GEL

(Liquid gel, use as is, in 500ml and 5 litre)



## COMPOSITION

The core actives of all F10 hand hygiene products are quaternary ammonium and biguanide compound, with non-toxic ampholytic surfactants and sequestrants

### F10 HAND SCRUB

QAC and biguanide	0.35%	Ampholytic surfactants and sequestrants, skin conditioning detergent, glycerine, fragrance, colourant, water to balance
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### F10 HAND GEL

QAC and biguanide	0.09%	Ampholytic surfactants and sequestrants, skin conditioning, alcohol (35%), water to balance
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## APPLICATIONS

### F10 HAND SCRUB

**Surgical hand scrub.** An antiseptic preparation that substantially reduces the number of microorganisms on intact skin; it is broad-spectrum, fast-acting with a residual action.

### F10 HAND GEL

**Waterless antiseptic agent.** An antiseptic agent that does not require use of exogenous water. After applying the hands are rubbed together until the agent has dried.

## ANTIMICROBIAL ACTION

The antimicrobial action mechanism of the F10 branded skin decontaminating products, as in all products having the F10 core actives, is taken from each component separately but in addition is due to the additive synergistic action of all components combined.

The number of organisms, most commonly present, e.g. *S. aureus*, *MRSA*, *Proteus* spp., *Klebsiella* spp., *Acinetobacter* spp. and *Clostridium difficile*, on intact areas of the skin can vary from 100 to 10<sup>6</sup>/cm<sup>2</sup>. Bactericidal tests have been carried out in accordance with SANS 636-2001 (South African) Standard having a performance pass criteria of >log<sup>3</sup> (>1,000 times) reduction in microbial counts, the AFNOR (French) Standard which is a >log<sup>4</sup> (>10,000 times) reduction in microbial counts, the European Union EN Standard which is a >log<sup>5</sup> (>100,000 times) reduction in microbial counts, and the AOAC (USA) Standard which is a >log<sup>6</sup> (>1,000,000) reduction in microbial counts. MIC in-vitro tests have shown significant depth of performance as these results indicate.

Fungicidal, virucidal and sporicidal tests have been carried out in accordance with SANS 636-2001, AFNOR and EN Standards which require a log<sup>3</sup> up to a log<sup>5</sup> reduction in microbial counts respectively.

## CONTACT TIMES

Contact time is a critical factor in surface acting agents. In hand hygiene applications contact times in practice for frequent use can be from 30 seconds to 1 minute but commonly as little as 15 seconds and from 2 to 6 minutes for surgical preparations. In this regard all F10 hand hygiene products have been further tested to GLP Standards and achieved a > log<sup>2</sup> (100 times) reduction of gram positive bacteria, e.g. *Staphylococcus* spp., *Clostridium difficile* in 15 seconds, to 30 seconds for gram negative, e.g. *Pseudomonas* spp. and yeasts, e.g. *Candida albicans*.

