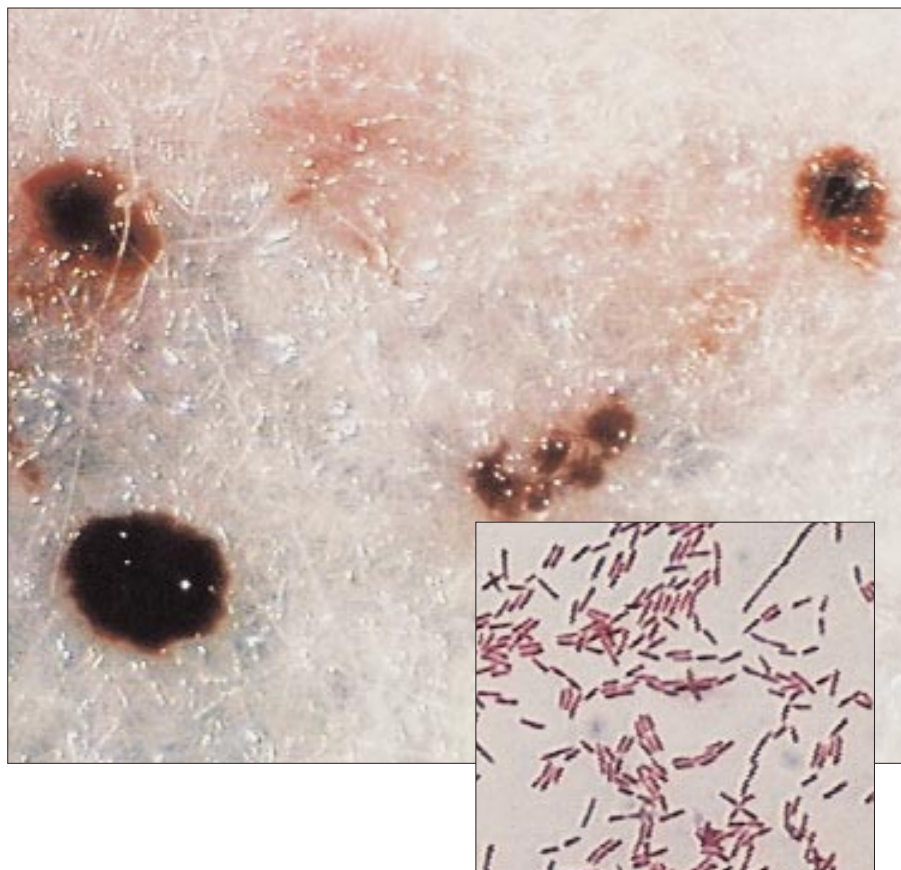




Bacteria Inhibited by INTERSEPT®



Bacteria are the most prolific life form, dating back over 3 billion years. Though some bacteria are disease producing (pathogens) most are beneficial to mankind. In fact, bacteria are crucial to the human defence system. Some are used in industrial and manufacturing processes such as in the production of antibiotics and pharmaceuticals. Bacteria are found on all surfaces exposed to the environment, including the skin, respiratory, digestive and reproductive tracts.

Many studies have been carried out into the size and shape of bacteria and their behaviour in an airstream. Most bacteria are in the size range 0.1 μm to 10 μm . When they become airborne they tend to attach to particles larger than 1 μm . This means they can be arrested by a normal pleated filter on which they can breed and multiply. To address this problem, AAF has treated a wide range of filters with Intersept® biostatic preservative. This preservative is effective against a wide range of Gram positive and

Gram negative bacteria which have been documented to affect indoor air quality.

For more information on Intersept® see data sheet no.120



List of Bacteria

Gram positive bacteria

Bacillus brevis
 Bacillus cereus
 Bacillus cereus mycoides
 Bacillus circulans
 Bacillus laterosporus
 Bacillus licheniformis
 Bacillus macerans
 Bacillus megaterium
 Bacillus polymyxa
 Bacillus pumilus
 Bacillus sphaerosporus
 Bacillus subtilis
 Bacillus subtilis antibiotic
 Bacillus subtilis globigil
 Bacillus thuringiensis

Brevibacterium linens

Corynebacterium diphtheriae
 Corynebacterium pseudodiphtheriticum
 Corynebacterium xerosis

Kurthia zenkeri

Lactobacillus acidophilus
 Lactobacillus bulgaricus
 Lactobacillus casei
 Lactobacillus delbrueckii
 Lactobacillus lactis

Leuconostoc mesenteroides

Listeria monocytogenes

Microbacterium sp.

Micrococcus luteus
 Micrococcus roseus

Mycobacterium smegmatis

Nocardia asteroides
 Nocardia corallina

Pediococcus sp.

Sarcina aurantiaca
 Sarcina flava
 Sarcina lutea

Sarcina subflava
 Sarcina ureae

Staphylococcus agalactiae B
 Staphylococcus albus
 Staphylococcus aureus
 Staphylococcus citreus
 Staphylococcus epidermidis

Streptococcus bovis
 Streptococcus durans
 Streptococcus faecalis
 Streptococcus faecalis var. liquefaciens
 Streptococcus faecium
 Streptococcus lactis
 Streptococcus mitis
 Streptococcus mutans
 Streptococcus oralis
 Streptococcus pyogenes
 Streptococcus salivarius
 Streptococcus thermophilus
 Streptococcus viridans

Streptomyces albus
 Streptomyces antibioticus
 Streptomyces aureofaciens
 Streptomyces griseus
 Streptomyces lavendulae
 Streptomyces olivaceus
 Streptomyces rimosus
 Streptomyces violaceus

Gram negative bacteria

Achromobacter acidificum
 Acinetobacter calcoaceticus
 Aeromonas hydrophilia
 Alcaligenes faecalis
 Alcaligenes viscolactis
 Arizonae sp.
 Arthrobacter globiformis

Bacterium mycoides
 Bacteroides fragilis
 Bordetella sp.
 Branhomella catarrhalis

Caulobacter vibroides
 Chromobacterium violaceum
 Citrobacter freundli

Edwardsiella tarda
 Enterobacter aerogenes
 Enterobacter hafniae
 Erwinia amylovora
 Escherichia coli
 Escherichia coli A (motile)
 Escherichia coli strain B
 Escherichia coli strain B (non-motile)
 Escherichia coli strain C
 Escherichia coli strain C 600
 Escherichia coli strain W 3104
 Escherichia coli K 12 wild
 Escherichia coli (lac-)
 Escherichia coli var. mutablis
 Escherichia freundli

Flavobacterium capsulatum

Hafnia sp.
 Halobacterium salinarium

Klebsiella pneumoniae

Legionella pneumophila

Moraxella sp.
 Neisseria canis

Pasteurella multocida

Proteus mirabilis
 Proteus morgani

Proteus vulgaris
 Providencia alcalifaciens

Pseudomonas aeruginosa
 Pseudomonas cepacia
 Pseudomonas dentrificans
 Pseudomonas fluorescens
 Pseudomonas fragi
 Pseudomonas multophilia
 Pseudomonas putida
 Pseudomonas stutzeri

Rizobium meliloti

Salmonella arizonae
 Salmonella choleraesuis
 Salmonella enteritidis
 Salmonella gallinarum
 Salmonella group C
 Salmonella newington
 Salmonella paratyphia A
 Salmonella pullorum
 Salmonella schottmuelleri
 Salmonella typhimurium
 Salmonella typhimurium Ames strain I
 Salmonella typhimurium Ames strain II
 Salmonella typhosa
 Serratia marcescens
 Serratia marcescens strain 933
 Serratia marcescens strain D
 Serratia marcescens strain WCF
 Shigella dysenteriae
 Shigella felxneri
 Shigella sonnei

Veillonella alcalescens
 Verisinia enterocolitica
 Vibrio cholerae
 Vibrio fischeri
 Vibrio metschnikovii
 Vibrio parahaemolyticus

Xanthomonas campestris

Yersinia pseudotuberculosis
 Alternaria sp.

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