



TridAnt® Enhanced
Antimicrobial Coating

TridAnt® Enhanced Antimicrobial Coating is a high-performance, multi-action medical coating which blocks, repels, and kills pathogens to prevent nosocomial infections on medical device surfaces.

What is TridAnt®?

TridAnt® Enhanced Antimicrobial Coating is an evolutionary step forward in biocompatible antimicrobial materials. TridAnt® is the first known biocompatible coating for medical devices to kill enveloped and non-enveloped viruses, gram-positive and gram-negative bacteria as well as preventing the formation of biofilms for up to 365 days without any noticeable reduction in efficacy over time. The coating combines active and passive components to inhibit protein deposition and bacterial adhesion, preventing biofilm formation. This provides multi-faceted protection for the medical device surface.

TridAnt® is the only biocompatible coating with Kill-On-Touch and Contact-Kill Technology. This ensures that the surface is able to spread protection and begin protecting against pathogens within seconds. Its active components target microbes (prokaryotic cells) and are non-leaching, which provides consistent protection on the device without any noticeable reduction in efficacy. It provides durable, non-leaching and long-term protection against a wide range of nosocomial infection pathogens.

Antimicrobial Properties

99.999% Kills 99.999% of pathogens



Broad efficacy against enveloped and non-enveloped viruses, gram-positive and gram-negative bacteria as well as yeast



Non-leaching technology protects class 1 to class 3 medical devices for up to 365 days with consistent efficacy over time



Kill-On-Touch Technology enables protected surfaces to disinfect pathogens



Contact-Kill Technology

Clinical Applications

TridAnt® Enhanced Antimicrobial Coating can be safely applied to a wide range of medical device surfaces including polymers, nitinol, stainless steel as well as woven and non-woven fabrics. The coating can be applied to a wide array of substrates as well as dimensions of medical components and devices with a range of tolerances and clearances.

Clinical applications include:



Central Venous Devices



Endotracheal Tubes



Intraocular Lenses



Titanium Cranioplasty



Neurological Stents



Urinary Catheters



Dentistry Devices

Legacy Evaluation

TridAnt® Enhanced Antimicrobial Coating is derived from technologies used on FDA approved and CE marked medical devices. These technologies have performed for decades without any recall and have been tested to ISO standards including:

CYTOTOXICITY:
ISO 10993-5

IRRITATION:
ISO 10993-5

SENSITISATION:
ISO 10993-10

EO RESIDUAL:
ISO 10993-7

HAEMOLYSIS:
ISO 10993-4

**CHEMICAL
CHARACTERISATION:**
ISO 10993-18