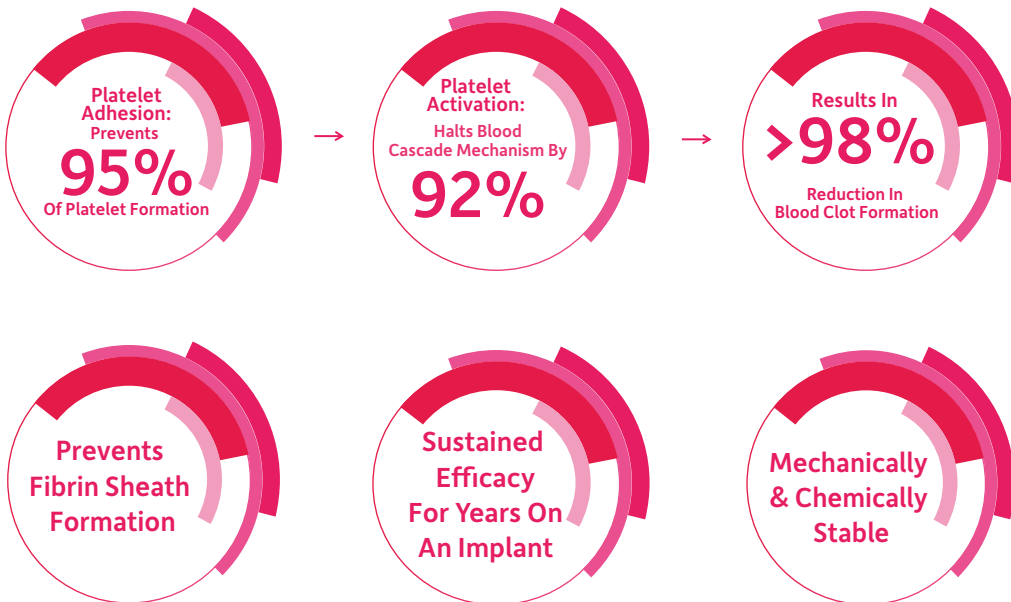


AstutePlus®

AstutePlus®
Advanced Antithrombogenic
Surface Active Therapeutic

AstutePlus® Advanced Antithrombogenic is a Surface Active Therapeutic that has been developed specifically for long-term, blood-contacting medical devices. The technology improves biocompatibility, enhances device performance and elevates therapeutic benefits.

Antithrombogenic Properties



What is AstutePlus®?

AstutePlus® Advanced Antithrombogenic is a Surface Active Therapeutic designed for class 2 to class 3 devices, which face risk of rejection, clotting and fibrin sheath occlusions. The technology significantly enhances hemocompatibility by mimicking natural processes. This innovative coating has been clinically recognised for safe and effective use on class 3 blood-contacting medical devices for over 25 years.

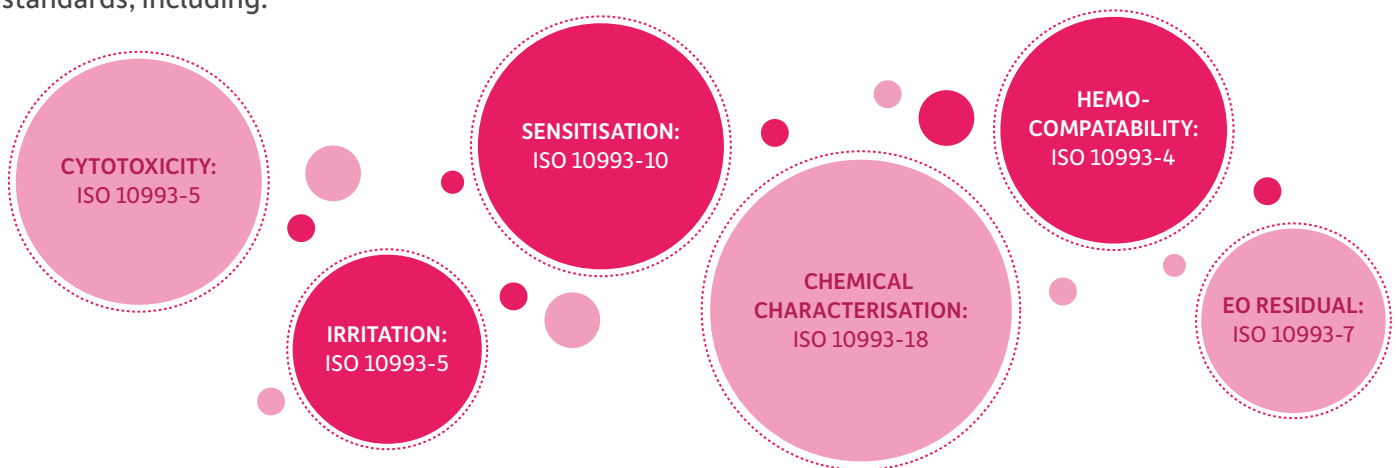
AstutePlus® technology actively prevents clot formation, providing state-of-the-art biocompatibility and antithrombogenicity. It contains an active component that blocks the blood cascade mechanism, by preventing platelet activation and thrombus formation. Additionally, passive non-thrombogenic elements prevent deposition and adhesion on the device surface, avoiding known issues like fibrin sheath formation, and enhancing overall efficacy of the device.

AstutePlus® utilizes localised-effect components to reduce patient risk and maintain consistent performance during the lifetime of the patient.



Biocompatibility Evaluation

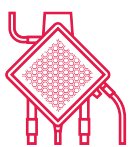
AstutePlus® Advanced Antithrombogenic Surface Active Therapeutic has been used for over 30 years on FDA-approved and CE-marked medical devices without any recall, and has been tested to ISO biocompatibility standards, including:



Clinical Applications

AstutePlus® Advanced Antithrombogenic Surface Active Therapeutic can be safely applied on to a wide range of medical device substrates, including polymers (e.g. polycarbonate and polyurethane), metals (e.g. nitinol and stainless steel), and woven & non-woven fabrics. The technology can be applied to a wide array of geometries and dimensions of varying medical components and devices, ranging from small implants with an inner diameter of less than 5 micrometres to large systems with a length of over 10 meters.

Clinical Applications Include:



Extracorporeal Oxygenators



Dialysis Catheters



Central Venous Catheters



Automatic Implantable Cardioverter-Defibrillators



Coronary Stents



Neurovascular Implants



Valve Replacements



Other Blood Contacting Devices