

Assist™

Assist™ Flexible Hydrophilic Biocompatible Coating

Assist™ Flexible Hydrophilic Coating is a highly lubricious and flexible coating specifically developed to enhance the biocompatibility, and minimise the friction on, medical device surfaces. This provides comfort for patients and ease of use for professionals.

Hydrophilic Properties



Reduces Friction
(<0.03 Cof)



Reduces Protein
Deposition & Adhesion



Flexible Coating
Expands & Contracts



Thin Coating



Improves
Laminar Flow



Mechanically
& Chemically Stable

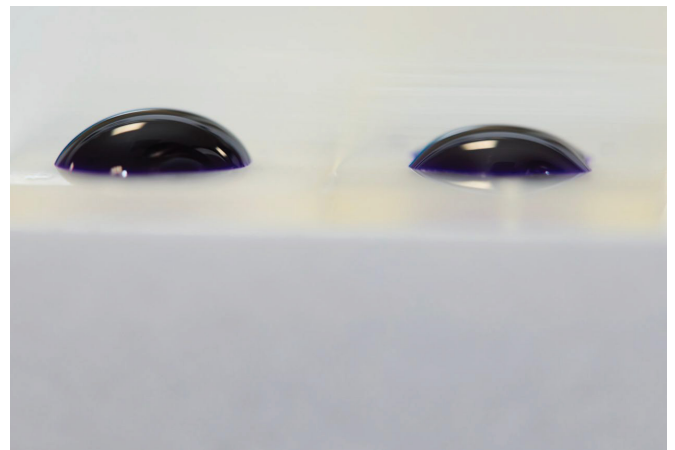


What is Assist™ ?

Assist™ Hydrophilic Coating provides a high-performance, lubricious surface tailored for medical implant applications, specifically designed to reduce friction and reduce interactions on device surfaces. This legacy technology has been successfully applied to a wide range of substrates and geometries without causing particulate formation or delamination during patient use.

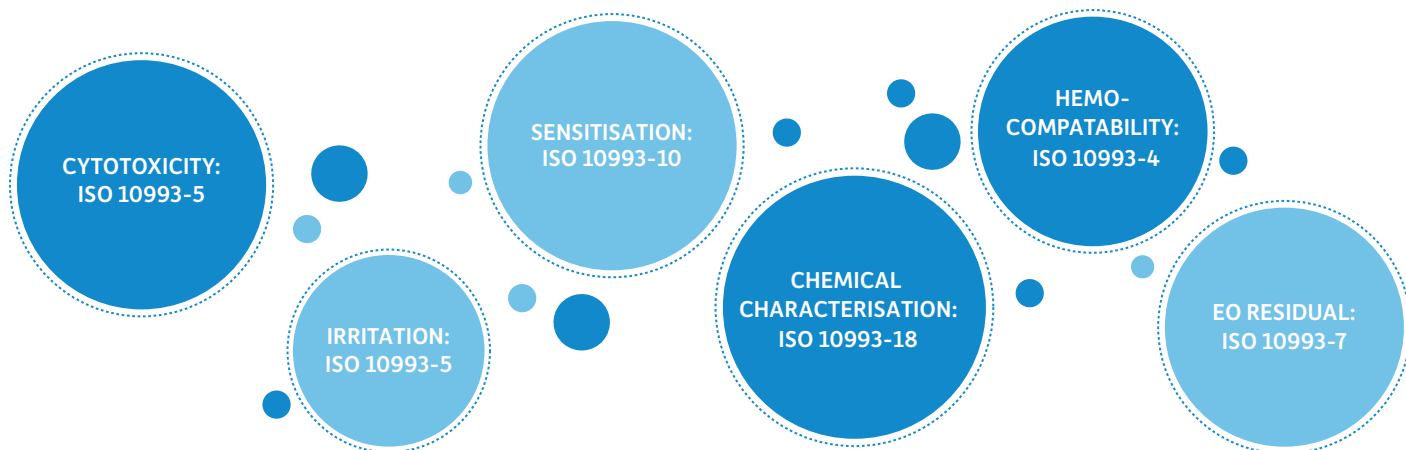
Engineered for durability, Assist™ has been applied to various medical devices, including highly mobile and mechanically demanding components such as large balloon catheters, joint devices, and delivery systems. Its two-factor approach prevents cell deposition and adhesion, minimising complications at the device-body interface. This enhanced interaction leads to decreased tissue damage and improved patient comfort during device operation or removal.

Assist™ improves biocompatibility and stability on the device surface, enabling the implant to function over extended periods without degradation, even under continuous movement. Available in both UV and heat curing options, Assist™ Flexible Hydrophilic Coating is suitable for a variety of medical components and devices, accommodating diverse dimensions with small tolerances on a wide range of materials. Assist™ technology improves patient safety, enhances device performance and evolves implantation procedures.



Legacy Evaluation

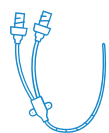
Assist™ Flexible Hydrophilic coating has been used for over 25 years on FDA-approved and CE-approved medical devices. The devices have continued to perform in the industry without any rejection or recall. The technology has been tested to ISO biocompatibility standards, including:



Clinical Applications

Assist™ Flexible Hydrophilic coating 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 tight tolerances (less than 5 microns in diameter) to large systems (over 20 meters long).

Device Applications Include:



Central Venous Catheters



Introducers



Guidewires



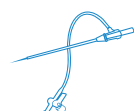
Intra Ocular Lense Cartridges



Joint Replacements



Feeding Tubes



Sheaths



Other Devices
which require lubrication