BioInteractions

Advancing Healthcare Through Innovation™

Assist™

Enhanced Lubricious Coating

The **Assist™ Enhanced Lubricious Coating** combines a highly lubricious component with a non-thrombogenic component, providing ***dual comfort*** for the patient and ***superior ease of use***.

The Clinical Problem

The advancement of devices such as catheters and guidewires through the tortuous pathways of the body is restricted by frictional forces that act between the device surface and the surrounding tissue. Such restrictions can lead to patient discomfort, prolonged procedures and an increased risk of tissue damage. In addition, such devices can suffer from thrombosis (blood clots) owing to the poor haemocompatibility of the materials employed.

BioInteractions are striving to reduce such problems through application of their Enhanced Lubricious Coating, **Assist™**.

Here to *Assist™*

The exceptional lubricity of **Assist™** provides ***enhanced delivery*** as well as ***effortless removal*** capabilities for the coated device, thereby minimising the risk of tissue damage and patient discomfort. In addition, **Assist™** provides ***non-thrombogenic*** properties, which help minimise the occurrence of thrombosis.

From the unique synthesis to the superior performance, **Assist™** is leading the way as the next generation of hydrophilic coating.

Applications

The enhanced properties of **Assist™** means it is particularly well suited to a wide range of medical applications, including tissue contacting devices, such as urinary catheters and endotracheal tubes, as well as blood contacting devices, such as catheters.

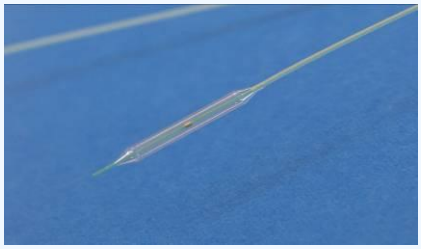
The **Assist™** coating can be applied to a wide range of substrates and has demonstrated excellent stability on materials such as:

- Poly(urethane)
- Poly(ethylene)
- Poly(vinyl chloride)
- Poly(ester)
- ePTFE
- Parylene
- Poly(styrene)
- Poly(carbonate)
- Pebax
- Nylon
- Silicone
- Stainless steel
- Cobalt chromium
- Nitinol

**Also applicable to many other substrates*

Clinical Applications for Assist™ include:

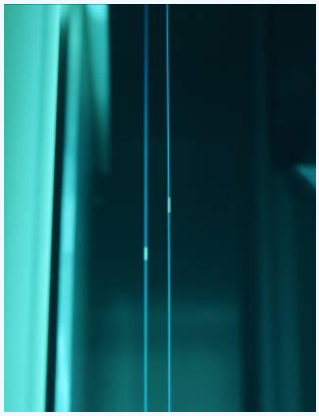
- Guidewires
- Catheters (balloon, urinary, infusion & drainage)
- Endotracheal tubes
- Nasogastric feeding tubes
- Pacemaker leads



The Coating Process

Our expertise in polymer synthesis, coupled with many years experience developing biocompatible coatings for the worldwide medical device industry, means we are strategically placed to offer a robust, reliable and cost-effective coating process for a range of devices.

Utilising a UV-curing system, we have developed a fast, reproducible process, capable of incorporating various device lengths and geometries.



*PTCA catheters during UV-curing

Collaboration

BioInteractions is committed to the advancement of healthcare through the development of innovative technologies and therefore, welcomes interest in the ***Assist™ Enhanced Lubricious Coating*** for application to both existing and new technologies that require the next generation of lubricious coatings.

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