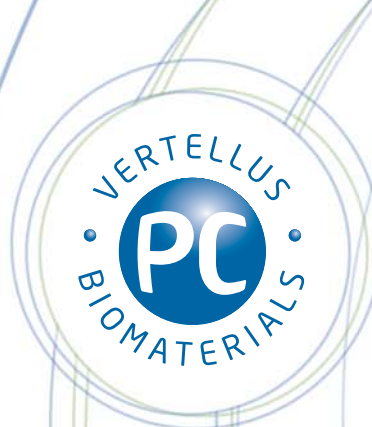


PC TECHNOLOGY™

Improved Clinical Performance

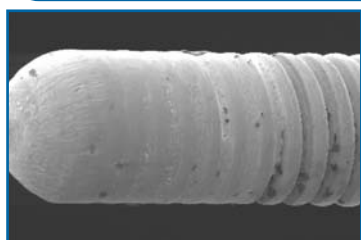


The following table summarises how the features of PC materials translate into expected benefits for devices incorporating them:

PC Technology Feature	Expected Benefit
Reduced protein adhesion/activation	Increased biocompatibility
Reduced blood activation	Reduced risk of thrombus Potential reduced use of anti-coagulants
Reduced bacterial adhesion and biofilm formation	Reduced risk of infection
Reduced inflammatory response	Reduced risk of fibrosis/rejection Increased patient comfort
Hydrophilic/lubricious coatings	Improved comfort, ease of use
Durable	Prolonged device effectiveness
Non-toxic and bio-inert	Rapid regulatory approval
Drug delivery	Step change in device performance

Many of these benefits have been established in the clinic and there are numerous reports detailing the results from clinical as well as in vitro studies, some of which are detailed here.

Haemocompatibility



PC coated



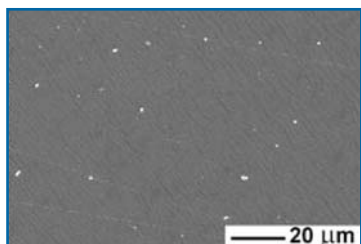
Silicone coated

FDA-cleared claim:

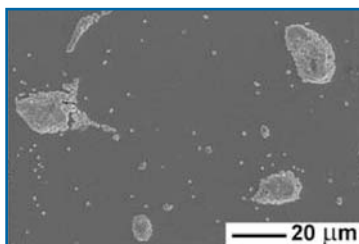
"...PC coating aids in the prevention of thrombus formation on the guidewire tip during short-term clinical usage..."

Micrographs showing adhered thrombus on guidewires

Resistance to Bacterial Adhesion and Biofilm Formation



PC coated



Uncoated

FDA-cleared claim:

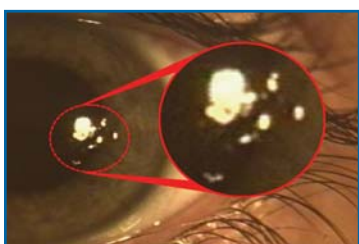
"...The coating has been shown to be resistant to staphylococcal biofilm formation and pseudomonal biofilm formation..."

Micrographs showing bacterial colonisation

Wettable and Dehydration Resistance



PC lens



Ordinary lens

FDA-cleared claim:

"...May provide improved comfort for contact lens wearers who experience mild discomfort or symptoms relating to dryness during lens wear..."

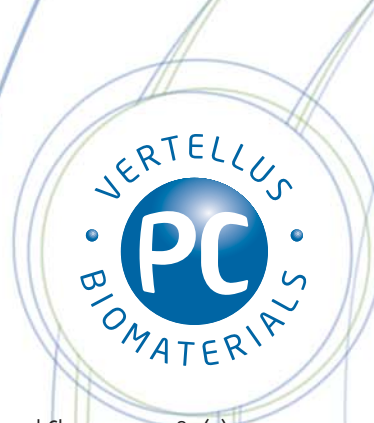
Photographs showing tear film compatibility

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