

# pHreeCOAT™

ANTI-ENCrustATION COATING



## pHreeCOAT™ coatings are

### pH MODULATED:

pHreeCOAT's patent pending composition modulates surface pH and thus prevents the deposition of seed crystals. The buffering action of pHreeCOAT is designed to work in all physiological environments.

### ENCrustATION RESISTANT:

Substrates coated with pHreeCOAT resist encrustation even after 4 weeks in urine.

### AQUEOUS:

pHreeCOAT, as part of the LubriLAST™ family of coatings, contains no organic solvents. Safer and cleaner manufacturing processes are used and any concerns about residual solvents in a device are eliminated.

### BIOCOMPATIBLE:

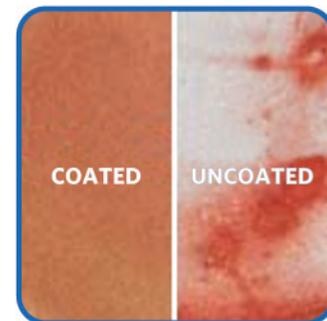
pHreeCOAT is biocompatible as evidenced by successfully passing cytotoxicity, systemic injection, and direct hemolysis tests.

### ADHERENT:

pHreeCOAT can be applied to virtually any biomaterial or device with no flaking or delamination.

## How does pHreeCOAT™ work?

pHreeCOAT™ is a new, patent-pending anti-encrustation coating in the LubriLAST family. It prevents mineral deposition on indwelling medical devices. pHreeCOAT can be used in any application where calcification of a device compromises performance, patient comfort or safety. By modulating surface pH and chemistry, pHreeCOAT renders the device virtually invisible to the calcification process.



## PARTNERSHIP APPROACH

AST partners with its customers from beginning to end. Our customers have complete access to AST's considerable technical expertise throughout the device design and development process. By working with customers every step of the way, small design changes can be made early in the process that prevent huge delays and overruns late in the game. Along with the coating chemistries, a customized, easy-to-use process is developed under strict ISO 9001:2008 and ISO 13485 design control. Our partnership support does not end with the finalization of coating formulation or product design. We work with the customers to ensure smooth and trouble-free implementation at their or at AST's facilities. To accelerate the approval of new devices, AST's experienced staff continues to provide assistance throughout the regulatory approval process and product introduction.



9 Linnell Circle, Billerica, MA 01821  
T: 978.667.4500 | F: 978.667.9778  
www.astp.com