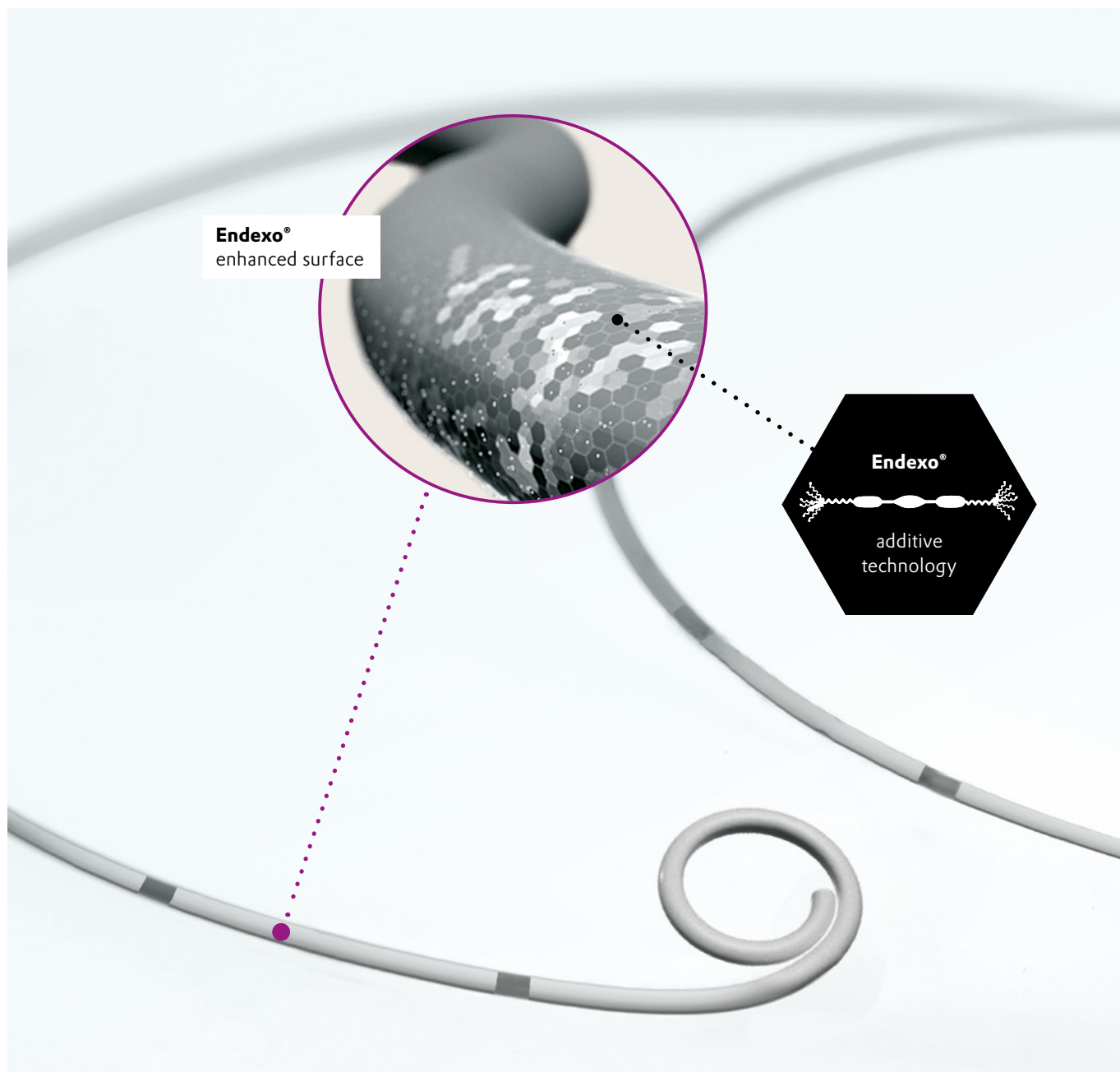


# Reduce encrustation on urological devices



### Key benefits of Endexo®

1

Passive surface

2

No biologicals or drugs

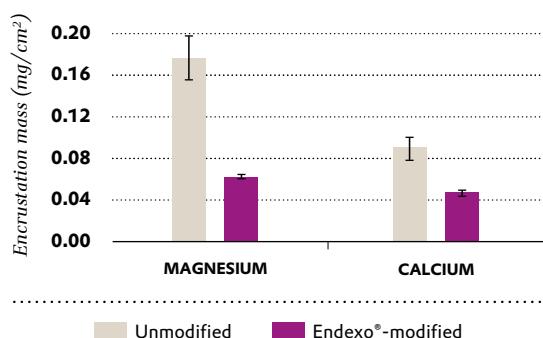
3

Non-eluting

## Endexo® reduces bacterial adhesion and encrustation

Endexo® additive technology creates a unique chemistry at the device surface that minimizes bacterial adhesion and biofouling without the use of antibiotics, antiseptics or other active antimicrobials. Minimizing the adhesion of encrustation-mediating bacteria such as *P. mirabilis* can significantly reduce the precipitation of inorganic minerals from urine on the surfaces of urological devices, thereby prolonging their patency and functionality.

### Encrustation on polyurethane tubing after incubation for 14 days in *P. mirabilis* inoculated artificial urine



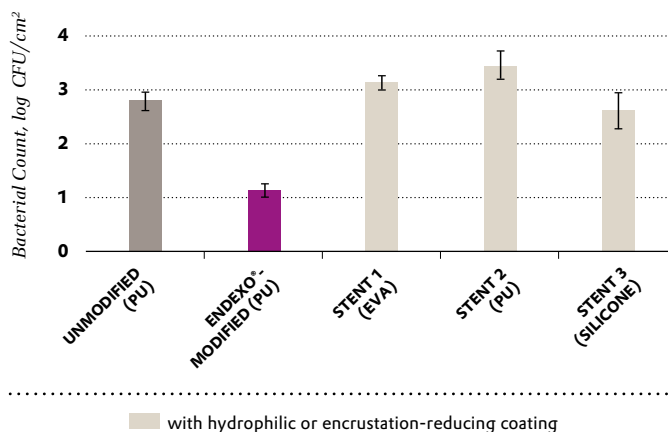
### Endexo®-modified polyurethane tubing shows:

- ~50 % reduction in total Calcium and Magnesium encrustation **compared to unmodified** tubing in 14 day *in-vitro* studies
- ~50 % reduction in total Calcium and Magnesium encrustation **compared to commercial ureteral stent products** with encrustation-reducing claims (data on file)

## Performance compared to existing technologies

Endexo®-modified polyurethane tubing shows ~2 log (99 %) lower bacterial adhesion *in-vitro* compared to leading standard commercial ureteral stents as well as stents modified with either hydrophilic or encrustation-reducing technologies. The antifouling properties of Endexo®-modified surfaces can reduce the risk of both device-related infection and encrustation.

### *P. mirabilis* adhesion on polyurethane tubing and commercial ureteral stents after 24 hour incubation in artificial urine



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