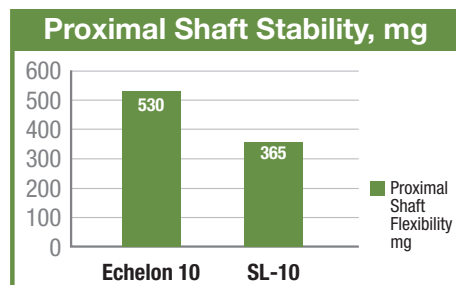


Echelon™ Micro Catheters

REFERENCES—all data/analysis on file.*

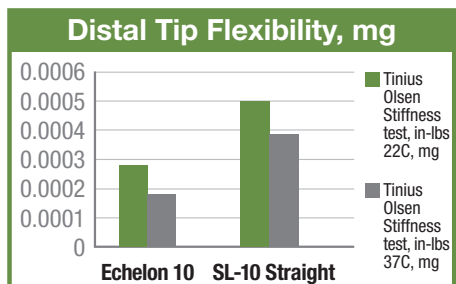
1. Proximal Shaft Stability – Gurley Testing (N = 5 Echelon 10, N = 5 Excelsior SL-10™), data/analysis on file.

Catheter type	Avg. prox. shaft stiffness (mg) at 15cm from the hub	Std. Dev. Prox. shaft stiffness (mg) 15cm from the hub	% stiffer
Echelon 10	530	29	45 %
Excelsior SL-10	365	21	control



2. Distal Tip Flexibility – Tinius Olsen Testing (N = 5 Echelon 10, N = 3 Excelsior SL-10), data/analysis on file.

Catheter type	Avg. distal tip stiffness at 2mm from distal tip (10 ⁴ , inch-lbs)	St. Dev. distal tip stiffness at 2mm from distal tip (10 ⁴ in-lbs)	% flexible
Echelon 10	1.8	0.2	54 %
Excelsior SL-10	3.9	0.3	control



3. Friction Protection – ev3 InnerGlide™ layer of advanced Pebax coating between PTFE and Progressive Nitinol Braid helps facilitate smooth, predictable responsiveness.



4. Torque Response Testing – Summary of Torque Response (N = 5 Echelon 10, N = 5 Excelsior SL-10), data/analysis on file.

Catheter type	Average # of turns for torque response
Echelon 10	6.2
Excelsior SL-10	16.4

5. Crush Test

Laboratory testing image of Echelon 10 and Excelsior SL-10 catheters after having “alligator” clamps applied for approximately 5 minutes, then removed. Data/analysis on file.



SL-10
after crush test

Echelon 10
after crush test

Echelon™
Micro Catheters

Looked into Echelon™ lately?
See how much
MORE
it delivers.

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Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.
* Data on file. FD-2591

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Every procedure is different. And the tools you choose can make a difference. So we make sure Echelon micro catheters are designed to outperform the others. Need proof? Read on. Then be sure to insist on Echelon.



45% **MORE**

Echelon 10 provided 45% greater proximal column stability than Excelsior SL10 measured at 15cm from hub.¹

54% **MORE**

The distal tip of Echelon 10 is 54% more flexible than that of the Excelsior SL10 measured at 2mm from tip.²

MORE Precision

Proprietary InnerGlide™ layer of smooth coating between braid and PTFE helps reduce friction and increase “as-expected” performance.³

62% **MORE**

Echelon 10 delivered 62% better torque response in tests measuring the average number of turns required to actuate.⁴

Visibly **MORE**

Post-testing images show that Echelon 10 exhibited less deformation than Excelsior SL10 after crush tests.⁵

Echelon Micro Catheters
All catheters
are not created equal.
Here's proof.

Proximal
Column Stability

+

Distal
Tip Flexibility

+

Friction
Protection

+

Torque
Response

+

Crush
Protection

