

SCIENTIA

The Microfabricated Advantage in Stroke Care.

The **Socrates® 38 Catheter** and **Aristotle® COLOSSUS® Guidewire** are an intentionally designed pairing, working together to optimize vector alignment between the two devices for synchronistic control. An intentionally designed pairing focused on matching, minimizes the ledge effect, reducing resistance at vessel bifurcations and helping the system track more easily through complex anatomy.

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INDICATIONS FOR USE

The Socrates® 38 Catheter FOR ASPIRATION:

As part of the Socrates® Aspiration System, the Socrates® 38 Catheter with a compatible suction pump is indicated for use in the revascularization of patients with acute ischemic stroke secondary to intracranial large vessel occlusive disease (within the internal carotid, middle cerebral - M1 and M2 segments, basilar, and vertebral arteries) within 8 hours of symptom onset. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who fail IV t-PA therapy are candidates for treatment.

As part of the Socrates® Aspiration System, the Socrates Aspiration Tubing is indicated to connect the Socrates 38 Catheter to a compatible suction pump.

FOR ACCESS:

The Socrates® 38 Catheter is indicated for use in facilitating the insertion and guidance of an appropriate microcatheter or diagnostic agents into a selected blood vessel in the peripheral or neuro vasculature. The Socrates® 38 Catheter is not intended for use in the coronary vasculature.

WARNINGS/PRECAUTIONS:

The Socrates® 38 Catheter should be manipulated under fluoroscopy. Do not attempt to move the catheter without observing the resulting tip response. Movement of the catheter against resistance may result in damage to the catheter or injury to the patient.

The Socrates® 38 Catheter should not be used with automated high-pressure contrast injection equipment as it may damage the device or injure the patient.

The Socrates® 38 Catheter has not been evaluated for compatibility with therapeutic devices and should not be used in combination with therapeutic devices, as the combined use could damage the catheter or result in patient injury.

FOR ASPIRATION:

Do not aspirate for more than 300 continuous seconds (5 minutes) when no clot is engaged with the catheter.

Do not perform more than three (3) clot retrieval attempts with the Socrates® Aspiration System.

Do not perform more than three (3) clot retrieval attempts with the Socrates® Aspiration System.

FOR ACCESS:

Use only compatible microcatheters/guidewires and diagnostic agents that have been cleared or approved for use in the intended target anatomy.

Please consult with the Socrates® 38 Catheter Instructions for Use for further Warnings and Precautions.

The Aristotle® COLOSSUS® Guidewire

The Aristotle® Colossus® Guidewires are for general vascular use within the neuro and peripheral vasculatures to introduce and position catheters and other interventional devices. The guidewire is not intended for use in the coronary vasculature.

Contraindications
None known.

WARNINGS/PRECAUTIONS:

The Aristotle® Colossus® Guidewire should be manipulated under fluoroscopy. Do not attempt to move the guidewire without observing the resulting tip response. Advance and withdraw the guidewire slowly and carefully. Never advance or withdraw the guidewire against resistance that is felt or observed under fluoroscopy until the cause of the resistance is determined. Movement of the guidewire against resistance may result in damage to the guidewire or injury to the patient.

Do not use this device with catheters below an ID of 0.038" (0.97mm) as damage to guidewire hydrophilic coating may occur. Confirm the compatibility of the guidewire and other devices being used in the procedure. Please consult with the Aristotle® Colossus® Guidewire Instructions for Use for further Warnings and Precautions.

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Socrates® 38 Catheter

The **Socrates® 38 Catheter** redefines intermediate and aspiration catheter performance with an advanced, nitinol-based, microfabricated design. Whether used for aspiration thrombectomy or as a crucial support catheter, it is designed to deliver precise navigation, exceptional push response, and reliable lumen integrity.

Socrates[®] 38

Premium materials, advanced design.

The Socrates[®] 38 Catheter is built with high-performance nitinol—a material known for its superelasticity—resisting kinking and showcasing durability when multiple passes are needed. It's advanced, beam-and-ring microfabricated design provides:

- **Lumen integrity**

Maintains its lumen from proximal end to distal tip, resisting ovalization for enhanced microcatheter advancement and consistent aspiration force.*

- **The best of both worlds**

Soft yet strong, it effortlessly follows guidewire paths while delivering the stability needed for treatment.

- **Efficient movement**

Near 1:1 push response for precise, predictable navigation that avoids storing energy in the catheter body. The unique design promotes a more centered pathway in the vessel.*

- **Millimeter by millimeter control**

The beams and rings in the microfabricated nitinol body prevent prolapse, enabling smooth movement through tortuous anatomy.

* Data on file at Scientia Vascular, Inc

Technical Details



The Socrates® 38 Catheter

Product Ref.	Outer Diameter			Inner Diameter		Working Length		Hydrophilic Coating Length	Minimum Guiding Catheter ID		Maximum Guidewire Diameter	
	French	Inch	mm	Inch	mm	Inch	cm	cm	Inch	mm	Inch	mm
SC038-127-001	4	0.053	1.35	0.038	0.96	50	127	90	0.058	1.47	0.035	0.89

- 1 Low profile OD remains 4F for the entire working length of the catheter.
- 2 Proximal laser-cut strain relief provides kink resistance and support.
- 3 Designed with congruent polymers and cut patterns to create a smooth transition of softness to support from tip to hub.
- 4 Fully microfabricated nitinol body designed to maximize push response and trackability while minimizing ovalization.
- 5 Distal cut geometry provides a soft, trackable tip.
- 6 Interlocking radiopaque marker band designed to mitigate tip deformation.
- 7 0.038" lumen ID, sized for tailored treatment of medium-size vessels.

127 cm

127 cm



Primary Role

Support or intermediate catheter for embolization



Common Pairing

Plato® 17 Microcatheter

Large bore devices with an OD of 0.058" and larger



Key Benefits

- **Support and stability for advancing both microcatheters (when deploying coils, embolics, particles, and stents), and large bore catheters**
- Trackability and pushability featured in one device when needed for challenging anatomy
- Microfabricated design resists ovalization and kinking, therefore minimizing ancillary device interaction

EXAMPLE USE CASE

**aneurysm
treatment**

**AVM
treatment**

**MMA
embolization**



Indications & Warnings:



Technical Details



The Socrates® 38 Catheter

Product Ref.	Outer Diameter			Inner Diameter			Working Length		Hydrophilic Coating Length	Minimum Guiding Catheter ID		Maximum Guidewire Diameter	
	French	Inch	mm	Inch	mm	Inch	cm	cm		Inch	mm	Inch	mm
SC038-156-001	4	0.053	1.35	0.038	0.96	61.4	156	90		0.058	1.47	0.035	0.89
TS-254-110 (Tubing Set)	N/A	0.188	4.78	0.11	2.79	100	254	n/a		n/a	n/a	n/a	n/a

- 1

Low profile OD remains 4F for the entire working length of the catheter.
- 2

Proximal laser-cut strain relief provides kink resistance and support.
- 3

Designed with congruent polymers and cut patterns to create a smooth transition of softness to support from tip to hub.
- 4

Fully microfabricated nitinol body designed to maximize push response and trackability while minimizing ovalization.
- 5

Distal cut geometry provides a soft, trackable tip.
- 6

Interlocking radiopaque marker band designed to mitigate tip deformation.
- 7

0.038" lumen ID, sized for tailored treatment of medium-size vessels.

156 cm



Primary Role

Aspiration catheter for thrombectomy



Common Pairing

Aristotle® Colossus® Guidewire



Key Benefits

- Trackable and pushable with a near 1:1 response due to microfabricated beams, promoting a more centered pathway in the vessel during navigation
- Stability for withstanding unwanted movement in the device during navigation
- Resistance to ovalization from proximal end to distal tip preserves the catheter's circular lumen, aiding in more reliable aspiration forces

EXAMPLE USE CASE

thrombectomy



Socrates® 38 156 cm

Aristotle® Colossus®

WHAT FITS AROUND ≥ 0.058 "

Indications & Warnings:

