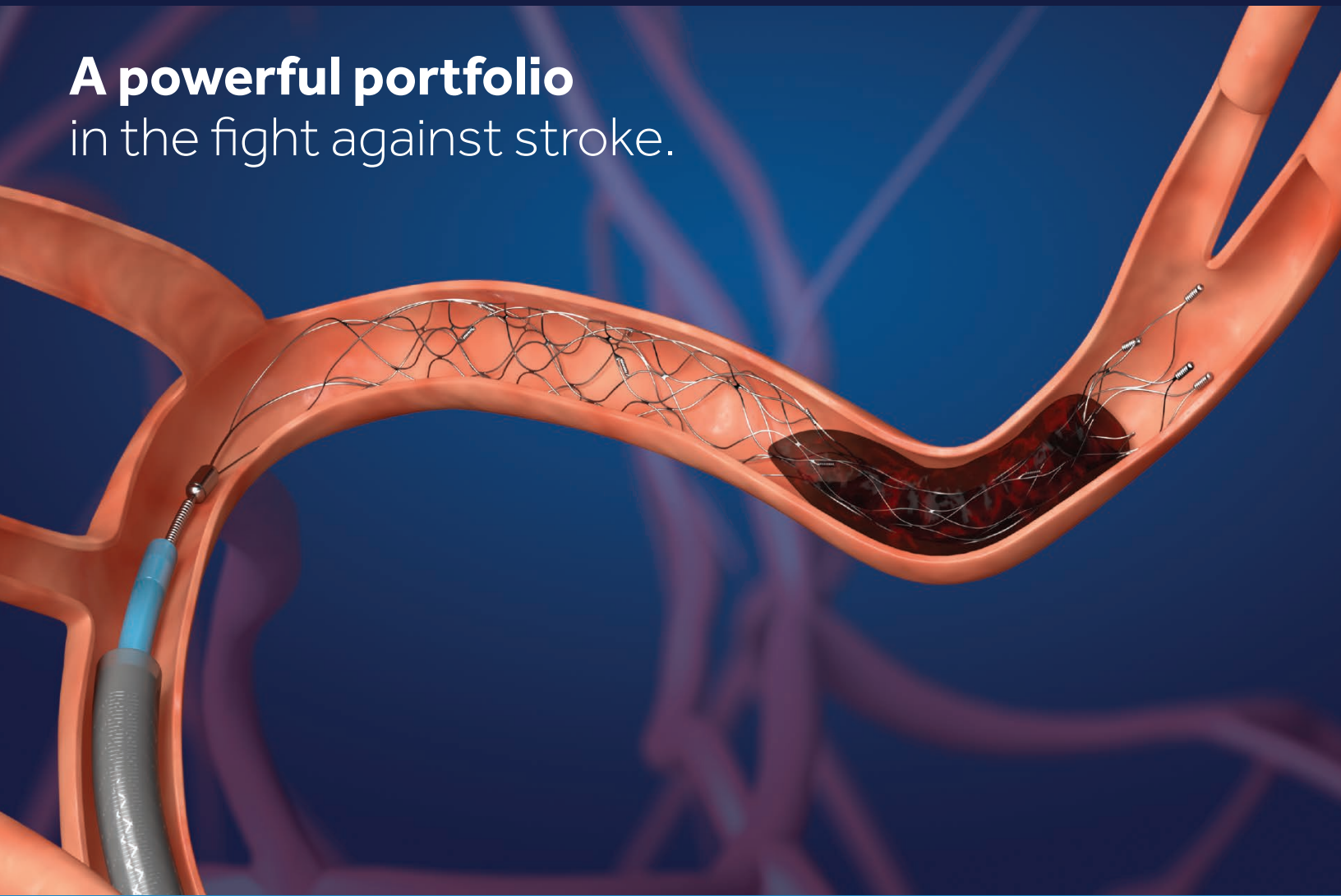


COMPREHENSIVE.  
**COMPATIBLE.**<sup>1,2,3</sup>  
CONVENIENT.

**A powerful portfolio**  
in the fight against stroke.



Acute Ischemic Stroke  
Product Guide

**Medtronic**

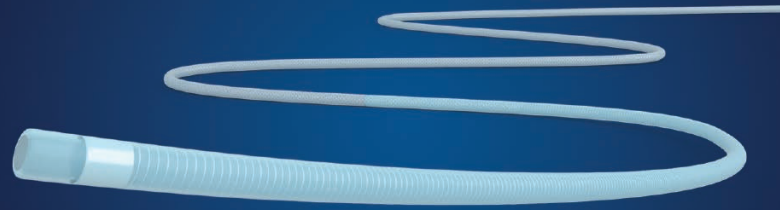
FUELED BY A  
COMMITMENT TO PATIENTS.  
**DRIVEN TO ADVANCE  
AIS TREATMENT.**





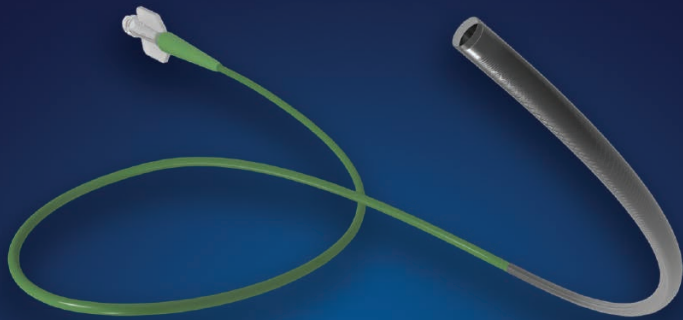


Solitaire™ X  
Revascularization Device



Phenom™ 21  
Catheter

Phenom™ 27  
Catheter



React™ 68  
Catheter

React™ 71  
Catheter



Riptide™  
Aspiration System

**Your committed partner –**  
delivering meaningful innovations  
that transform stroke care.

For over a decade, Medtronic has been leading the fight against acute ischemic stroke (AIS) – enabling our physician partners with meaningful technologies to empower their expertise.

Together, we are changing the way AIS is treated around the world – making a difference for the millions of patients that are affected by stroke every day.

A DIFFERENCE  
YOU CAN FEEL<sup>2</sup>  
**WITH PRECISION**  
**YOU CAN SEE<sup>4</sup>**

Solitaire™ **X**  
Revascularization Device

*[medtronic.com/SolitaireX](http://medtronic.com/SolitaireX)*

For ten years, Solitaire™  
Revascularization Device  
has supported you in helping  
your patients with a better  
chance of recovery.

Now we advanced our design  
for optimized delivery and  
ease of use<sup>2,7</sup> while retaining  
the clinically proven<sup>6</sup> features  
you've come to depend on.

At Medtronic, we listen. We innovate.  
We meet your needs.



# Solitaire™ X

## Revascularization Device

### OPTIMIZED DELIVERY. IMPROVED EFFICIENCY.<sup>2</sup>

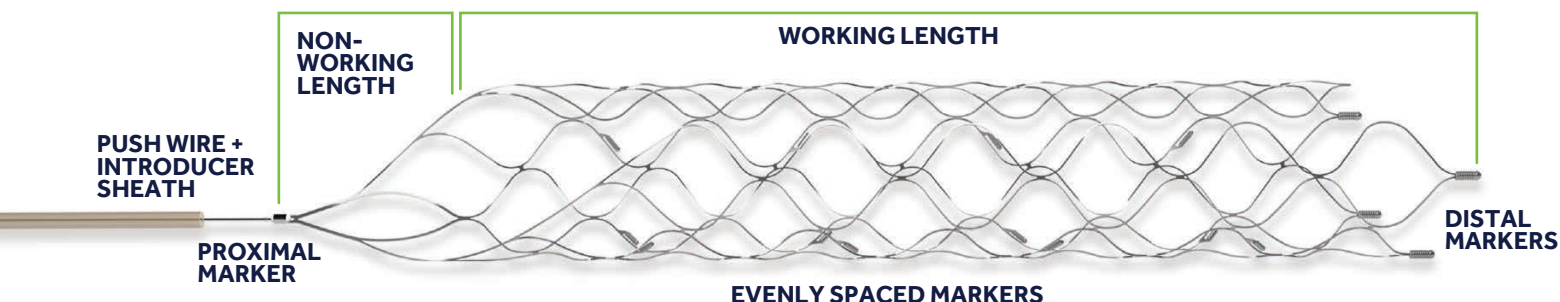
Lower delivery force<sup>2,7</sup>  
for improved procedural  
efficiency and smooth  
navigation through even the  
most complicated anatomy.

### LOWER PROFILE. GREATER FLEXIBILITY.<sup>7,8,9,10</sup>

When combined with a 0.021" microcatheter, the Solitaire™ X Revascularization Device provides smooth and adaptable deliverability with a lower clot crossing profile.<sup>8</sup>

### MORE OPTIONS. BETTER CONTROL.

The Solitaire™ X Revascularization Device's expanded compatibility gives you the flexibility to employ the optimal technology for each procedure.<sup>7,8</sup>



## SOLITAIRE™ X REVASCULARIZATION DEVICE ORDERING INFORMATION<sup>8</sup>

Model	Recommended Vessel Diameter <sup>A</sup> (mm)		Minimum Microcatheter ID (inch)		Push Wire Length (cm)	Stent Diameter (mm)	Usable Length <sup>B</sup> (mm)	Stent Length (mm)	Length from Distal Tip to Fluoroscopic Marker (cm)	Radiopaque Markers		Radiopaque Stent Markers Spacing (mm)
	(min)	(max)	(min)	(max)						Distal	Prox.	
SFR4-4-20-05	2.0	4.0	0.021	0.027	200	4.0	20.0	31.0	<130	3	1	5
SFR4-4-20-10	2.0	4.0	0.021	0.027	200	4.0	20.0	31.0	<130	3	1	10
SFR4-4-40-10	2.0	4.0	0.021	0.027	200	4.0	40.0	50.0	<130	3	1	10
SFR4-6-20-10	2.0	5.5	0.021	0.027	200	6.0	20.0	31.0	<130	4	1	10
SFR4-6-24-06	2.0	5.5	0.021	0.027	200	6.0	24.0	37.0	<130	4	1	6
SFR4-6-40-10	2.0	5.5	0.021	0.027	200	6.0	40.0	47.0	<130	4	1	10

A. Based on the smallest vessel diameter at thrombus site.

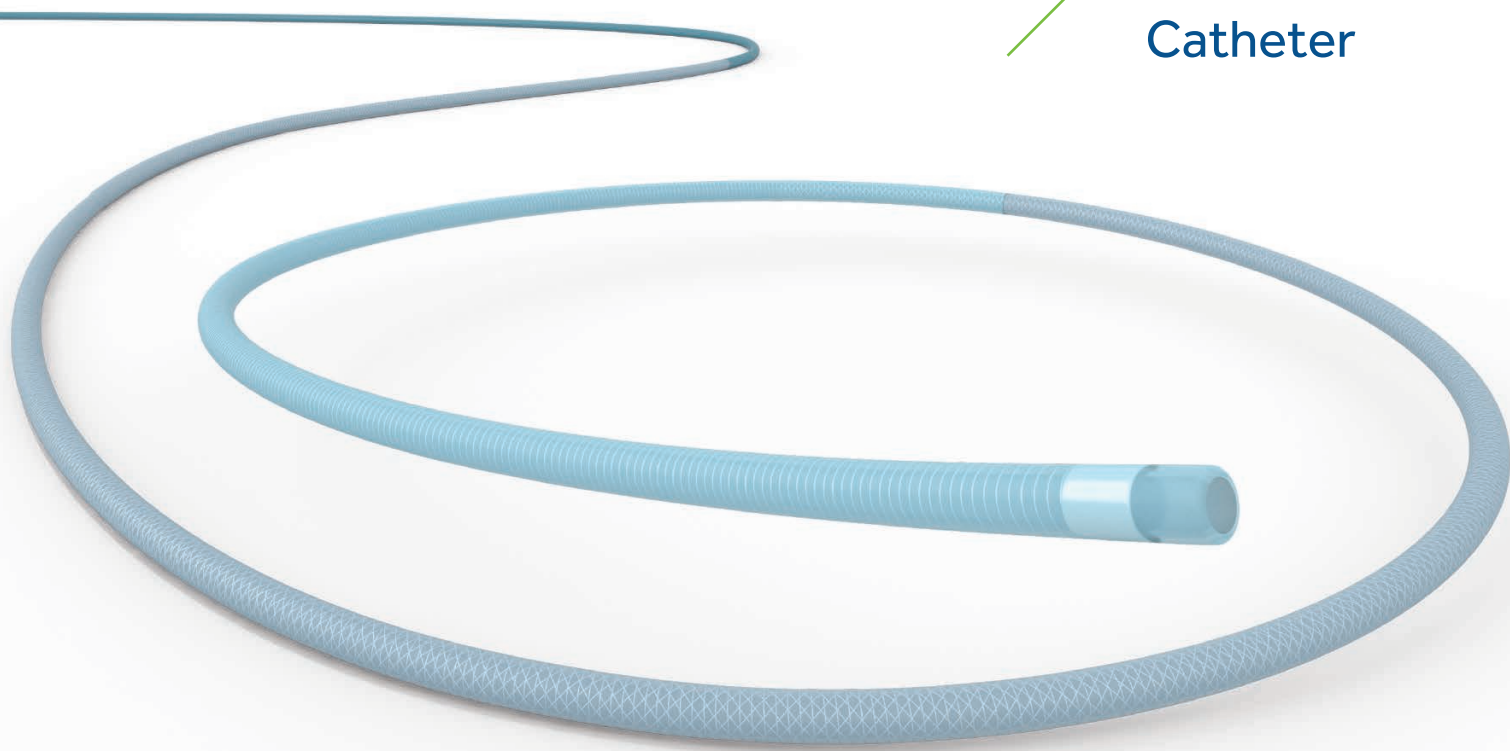
B. Usable length that is at least as long as the length of the thrombus.

Up to 3 retrieval passes<sup>8</sup>

ADVANCING  
ACCESS.  
**DELIVERING  
STROKE CARE.**

Phenom™ 21  
Catheter

Phenom™ 27  
Catheter



160cm Microcatheter

**INCREASED ACCESS.**<sup>11,12</sup>

A 160cm length microcatheter allows increased access for:

- Triaxial set-ups with a distal access catheter
- Tortuous anatomy
- Distal occlusions out to M2

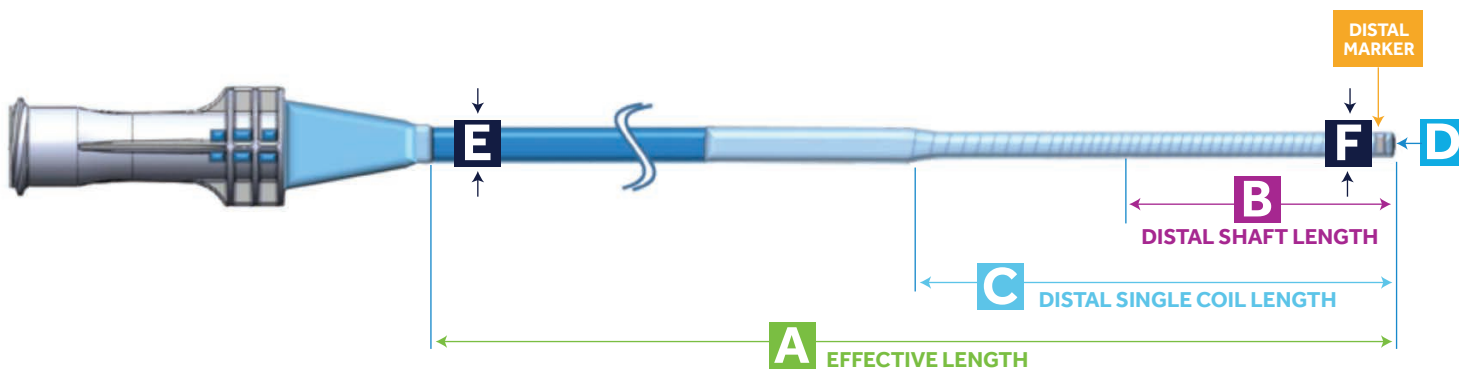
## OPTIMIZED DELIVERY.<sup>2</sup>

The Phenom™ 21 Catheter is optimized to deliver all sizes of the Solitaire™ X Revascularization Device providing smooth deliverability with a low clot crossing profile.

## START WITH COMPATIBLE ACCESS, SO YOU CAN END WITH SUCCESS.

To get the vessel open, you need to start with a compatible micro-catheter to reach the occlusion and deliver the interventional device.

With a balance of stability and flexibility, the Phenom™ Catheter is designed with a low-profile outer diameter and an inner PTFE liner to facilitate delivery and re-sheathing of devices through its lumen.<sup>3,12,13,14</sup>



# FG13160-0615-1S

### PART NUMBER KEY:

ID SIZE 13 = 0.21" 15 = 0.27"	EFFECTIVE LENGTH (CM)	DISTAL SHAFT LENGTH (CM)	DISTAL SINGLE COIL LENGTH (CM)	NUMBER OF DISTAL MARKERS	TIP SHAPE S = STRAIGHT
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PHENOM™ 21 / 27 CATHETER							
Product Name	Part Number	A	B	C	D	E	F
		Effective Length (cm)	Distal Shaft Length (cm)	Distal Single Coil Length (cm)	Inner Diameter (in)	Proximal Outer Diameter (F)	Distal Outer Diameter (F)
Phenom™ 21 Catheter	FG13160-0615-1S	160	6	15	0.021	2.6	2.3
Phenom™ 27 Catheter	FG15160-0615-1S	160	6	15	0.027	3.1	2.8



**REACT** WITH SPEED.  
**REACT** WITH AGILITY.  
**REACT** WITH CONFIDENCE.

[medtronic.com/React](https://www.medtronic.com/React)

React™ 68  
Catheter

React™ 71  
Catheter



Stroke is never expected. But when you can **REACT** quickly and confidently, you have the power to save lives.

That's what you can expect from the React™ Catheters. Together with the compatible<sup>3</sup> Solitaire™ X Revascularization Device, it is designed to revascularize patients experiencing acute ischemic stroke – for a powerful combination in AIS treatment.

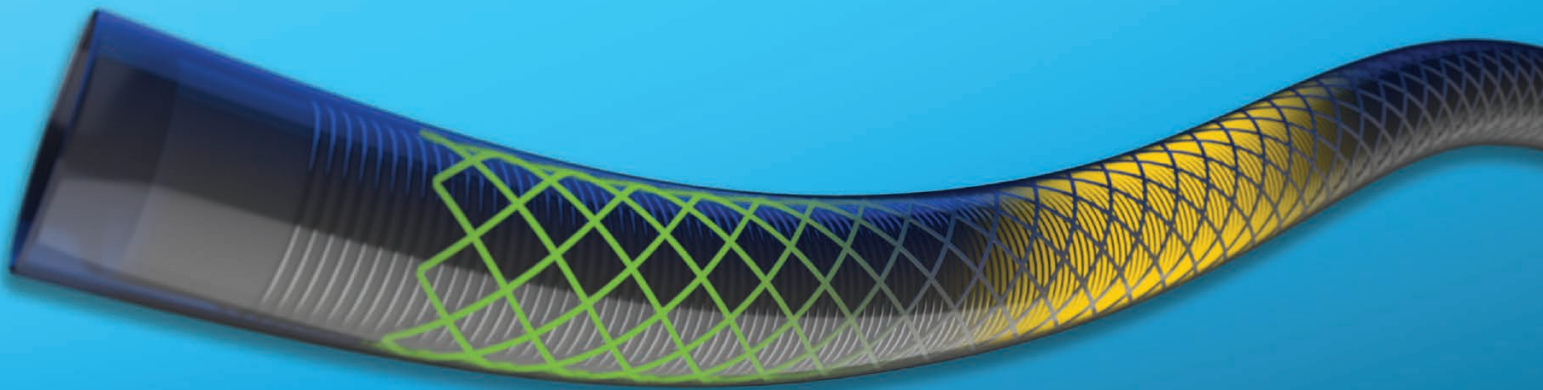


**NAVIGABILITY**  
OF A COIL <sup>15,16</sup>

**PUSHABILITY**  
OF A BRAID <sup>15,16</sup>

**DURABILITY**  
OF NITINOL <sup>15,16</sup>

FEATURING **COBRA** TECHNOLOGY  
COIL + BRAID



The React™ Catheters feature COBRA coil + braid technology design, along with end-to-end Nitinol construction – easing navigation to the M1 and M2 segments.

#### REACT™ CATHETER ORDERING INFORMATION

	Product Catalog Number	ID	MAX OD	Working Length
React™ 68 Catheter	REACT-68	0.068"	0.083"	132cm
React™ 71 Catheter	REACT-71	0.071"	0.0855"	132cm

EXPANDING  
YOUR OPTIONS.  
**EMPOWERING  
YOUR EXPERTISE.**

# Riptide™ Aspiration System

[medtronic.com/Riptide](http://medtronic.com/Riptide)



## RIPTIDE™ ASPIRATION SYSTEM INDIVIDUAL COMPONENTS

	Product Catalog Number	Volume	Inner Diameter	Tubing Length	Distal Length
Riptide™ Aspiration Pump	MAP-1000	–	–	–	–
Riptide™ Collection Canister & Intermediate Tubing	MAC-1200	1200mL	–	–	–
Riptide™ Aspiration Tubing	AT-88-110	–	0.088"	112"	7"

## RIPTIDE™ ASPIRATION SYSTEM INITIAL ORDER BUNDLE

	Product Catalog Number	Riptide™ Aspiration Pump	Riptide™ Collection Canister & Intermediate Tubing	Riptide™ Aspiration Tubing	React™ Catheter
Riptide™ Aspiration System 68 Bundle	RBUNDLE-68	1 QTY	3 QTY	3 QTY	3 QTY React™ 68
Riptide™ Aspiration System 71 Bundle	RBUNDLE-71	1 QTY	3 QTY	3 QTY	3 QTY React™ 71

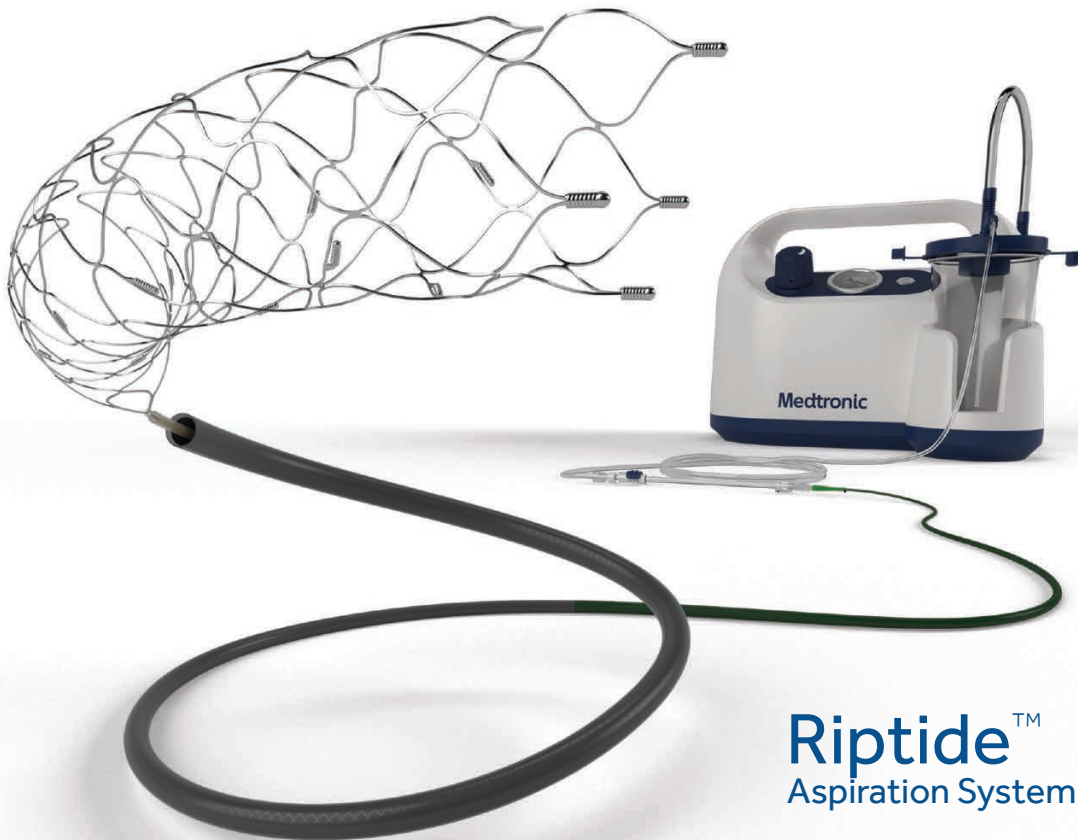
# STAT

SOLITAIRE™  
THROMBECTOMY  
+ ASPIRATION  
THERAPY

When time is brain, you need to make fast, effective procedural decisions. With Solitaire™ Thrombectomy + Aspiration Therapy (STAT), you've got greater freedom and flexibility. The ability to combine our comprehensive, compatible<sup>1,2</sup> portfolio – Solitaire™, React™ and Riptide™ – gives you true peace of mind knowing you can use these solutions together, on-label, if and when you need them.

[medtronic.com/STAT](http://medtronic.com/STAT)

Solitaire™ X  
Revascularization Device



Riptide™  
Aspiration System

React™ 68/71  
Catheter



# Partner with Medtronic and focus on what matters – the urgent care you need to provide – to give patients a better chance to walk away from stroke.

**CAUTION:** Federal (USA) law restricts these devices to sale distribution and use by or on order of a physician. Indications, contraindications, warnings and instructions for use for Solitaire™ X Revascularization Device can be viewed at [www.medtronic.com/manuals](http://www.medtronic.com/manuals). Indications, contraindications, warnings and instructions for all other products can be found in the product labeling supplied with each device.

## Solitaire™ X Revascularization Device

**INDICATIONS** 1. The Solitaire™ X Revascularization Device is indicated for use to restore blood flow in the neurovasculature by removing thrombus for the treatment of acute ischemic stroke to reduce disability in patients with a persistent, proximal anterior circulation, large vessel occlusion, and smaller core infarcts who have first received intravenous tissue plasminogen activator (IV t-PA). Endovascular therapy with the device should be started within 6 hours of symptom onset. 2. The Solitaire™ X Revascularization Device is indicated to restore blood flow by removing thrombus from a large intracranial vessel in patients experiencing ischemic stroke within 8 hours of symptom onset. Patients who are ineligible for IV t-PA or who fail IV t-PA therapy are candidates for treatment. 3. The Solitaire™ X Revascularization Device is indicated for use to restore blood flow in the neurovasculature by removing thrombus for the treatment of acute ischemic stroke to reduce disability in patients with a persistent, proximal anterior circulation, large vessel occlusion of the internal carotid artery (ICA) or middle cerebral artery (MCA)-M1 segments with smaller core infarcts (<70 cc by CTA or MRA, <25 cc by MR-DWI). Endovascular therapy with the device should start within 6-16 hours of time last seen well in patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who fail IV t-PA therapy.

## Phenom™ Catheter

**INDICATION** Phenom™ Catheters are intended for the introduction of interventional devices and infusion of diagnostic or therapeutic agents into the neuro, peripheral, and coronary vasculatures.

## React™ Catheter

**INDICATION** The React™ 68 Catheter and React™ 71 Catheter are indicated for the introduction of interventional devices into the peripheral and neuro vasculature.

## Riptide™ Aspiration System

**INDICATION** The Riptide™ Aspiration System is intended 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.

# Medtronic

9775 Toledo Way  
Irvine, CA 92618  
USA  
Tel 877.526.7890  
Fax 763.526.7888

1. TR-NV14973A  
2. TR-NV16168A  
3. D00033351A  
4. TR-NV12692A  
5. TR-NV13807A

6. STRATIS, SWIFT PRIME, ESCAPE, Nasa Registry, THRACE, MR CLEAN, STAR, EXTEND IA, HERMES, SEER, REVASCAT, DEFUSE 3; Clinical studies include Solitaire™ Platinum Revascularization Device and Solitaire™ Revascularization Device. Solitaire™ X Revascularization Device, Phenom™ Catheter, React™ Catheter, and Riptide™ Aspiration System were not evaluated in these studies.

7. Compared to Solitaire™ Platinum Revascularization Device  
8. 71042-010A  
9. DWGSFG13XXX-YYyy-Zz Rev C  
10. DWGSFG15XXX-YYyy-Zz Rev C  
11. TR-NV15519A

12. TR-NV15871A  
13. D00028819A  
14. 71062-001A  
15. TR-NV15399A  
16. TR-NV15999B