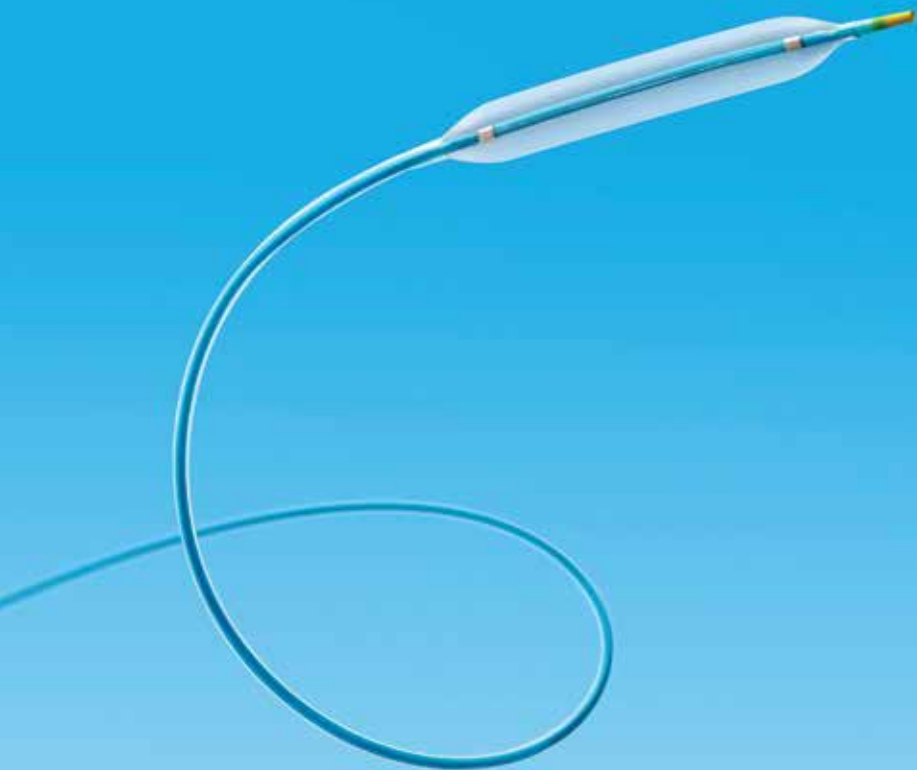


NC Euphora™

Noncompliant Balloon
Dilatation Catheter



THE DEFINING
MOMENT
**WHEN
TECHNOLOGY
MATCHES
EXPERTISE**



Medtronic
Further, Together

**DESIGN
ADVANCES**
WERE INSPIRED
BY **CUSTOMER
NEEDS** AND
INSIGHT



The NC Euphora™ noncompliant balloon dilatation catheter complements your expertise and provides uncompromising performance in the moment you need it most.

We sought input from nearly 2000 interventional cardiologists and cath lab professionals at Medtronic-sponsored technology exchanges, advisory board meetings, scientific forums, training events, and peer-to-peer educational seminars.

Then, with **specific design targets** in mind, we deliberately developed each balloon component to exceed your expectations and complement your expertise.

In tough cases, you can feel confident that our NC Euphora™ balloon **will deliver**.

EACH BALLOON COMPONENT WAS DESIGNED FOR **UNSURPASSED PERFORMANCE**

Tapered tip design and low lesion entry profile (0.015 in) improves tracking through challenging lesions with low likelihood of catching when recrossing a deployed stent¹ and excellent recross²

Strong, durable and flexible proprietary balloon material provides high-pressure capability³ and a low growth profile⁴

- Reinflates to rated burst pressure (RBP) up to 20 times without bursting

Platinum iridium marker bands enhance visibility

PowerTrac™ Technology enables superior deliverability⁵

¹NC Euphora™, NC Trek™, and NC Quantum Apex™ 3.00-mm x 20-mm balloons tested; Medtronic stents used. Bench testing vs. NC Trek™ and NC Quantum Apex™ balloons (numerically but not statistically better) on file at Medtronic. Bench test data may not be indicative of clinical performance.

²NC Euphora™, NC Trek™, and NC Quantum Apex™ 3.00-mm x 20-mm balloons tested.

^{3,4,5}Bench testing vs. NC Trek™ and NC Quantum Apex™ balloons on file at Medtronic. Bench test data may not be indicative of clinical performance.

LOW GROWTH PROFILE AND SUPERIOR DELIVERABILITY⁶

High RBP up to 20 atm with a low growth profile for superb precision⁷

Reliable performance in long, difficult cases¹⁰



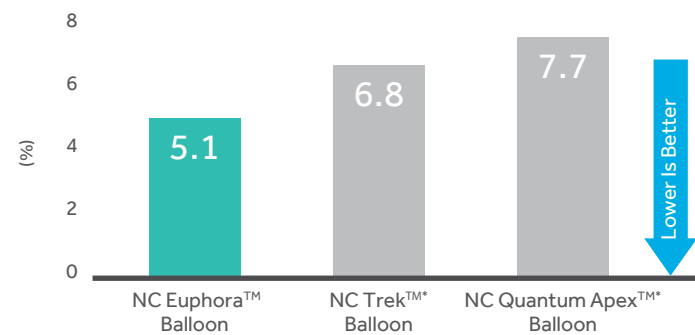
Lower radial growth to reduce unwanted vessel expansion⁸

Lower longitudinal growth⁹ to minimize vessel trauma outside the stent

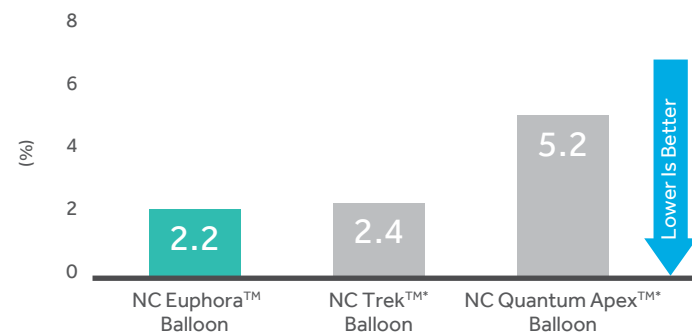
Less force required to track through tortuous anatomy¹¹

Low likelihood of catching when recrossing a deployed stent¹²

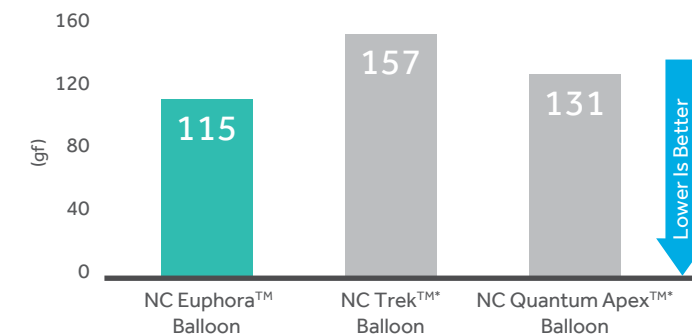
Radial Growth



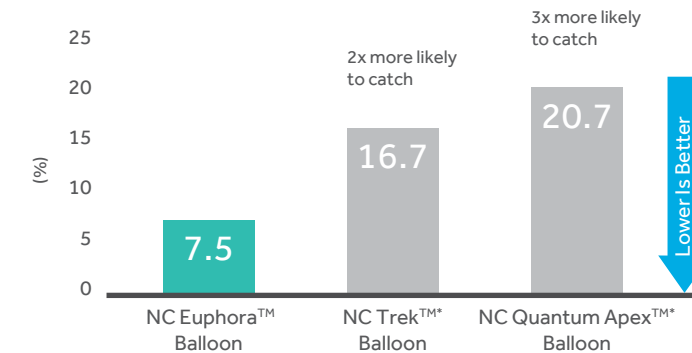
Longitudinal Growth



Trackability



Tip Catches During Stent Recross



NC Euphora™, NC Trek™*, and NC Quantum Apex™* 3.00-mm x 20-mm balloons tested at 12 nominal pressure and 20 RBP. Note: NC Trek™* balloon is labeled for 18 RBP.
^{6,7,9} Bench testing vs. NC Trek™* and NC Quantum Apex™* balloons on file at Medtronic. Bench test data may not be indicative of clinical performance.

⁸ See *Instructions for Use* for a complete set of warnings, precautions and contraindications.

NC Euphora™, NC Trek™*, and NC Quantum Apex™* 3.00-mm x 20-mm balloons tested; Medtronic stents used.

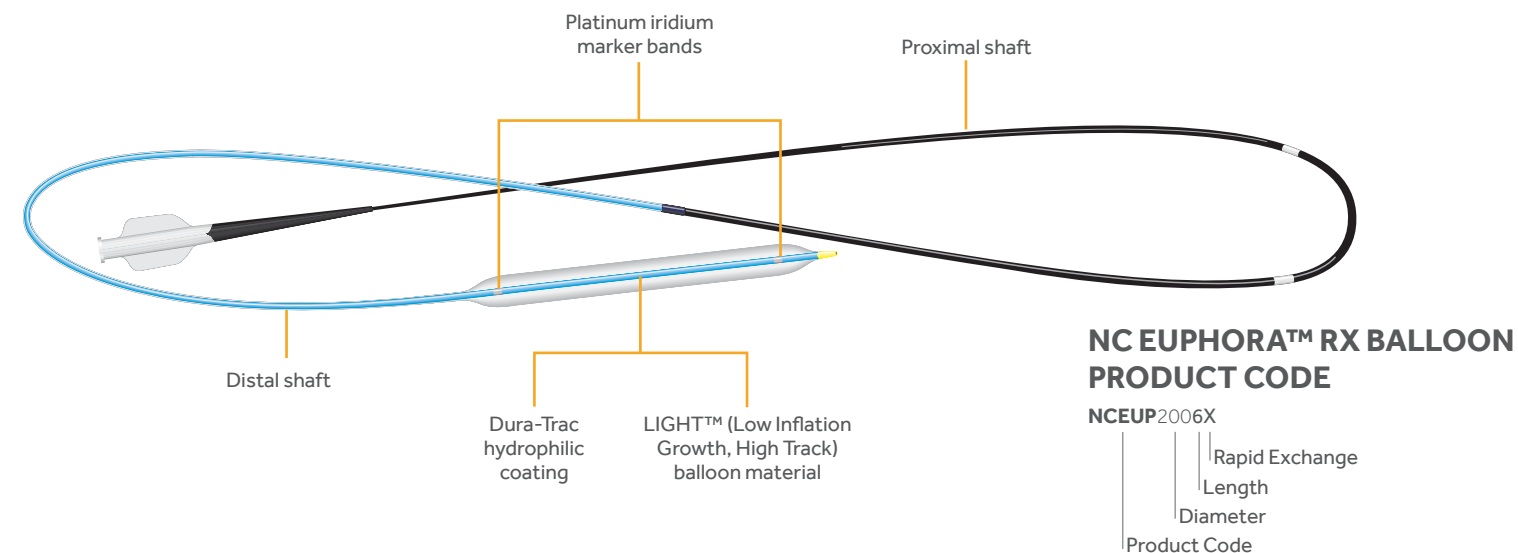
^{10,12} NC Euphora™, NC Trek™*, and NC Quantum Apex™* 3.00-mm x 20-mm balloons tested; Medtronic stents used. Bench testing vs. NC Trek™* and NC Quantum Apex™* balloons (numerically but not statistically better) on file at Medtronic. Bench test data may not be indicative of clinical performance.

¹¹ Bench testing vs. NC Trek™* and NC Quantum Apex™* balloons on file at Medtronic. Bench test data may not be indicative of clinical performance.

OUR **INVESTMENT IN YOU** AND YOUR TEAM EXTENDS BEYOND OUR PRODUCTS

We are committed to providing services and education that meet the needs of your entire cath lab team.

Join us and be one of the thousands of physicians and cath lab professionals who benefit each day by our broad range of offerings.



CATH LAB CHAMPIONS MEETINGS

7 PROGRAMS
316 ATTENDEES

CATH LAB MANAGER SUMMITS

9 PROGRAMS
484 ATTENDEES

TRANSRADIAL PRECEPTORSHIP AND PROCTORSHIP PROGRAMS

46 PROGRAMS
94 ATTENDEES

MEDICAL FACULTY EDUCATOR PROGRAMS

311 PROGRAMS
7700 ATTENDEES

TECHNICAL INFORMATION

Catheter length	142 cm	Balloon material	LIGHT™ (Low Inflation Growth, High Track)	Shaft dimensions for 4.00–5.00 mm	Proximal 0.69 mm (2.1 F) Distal 0.91 mm (2.7 F)
Platinum iridium marker bands	2.00–5.00 mm, double	MiniWrap	2.00–3.75 mm, 3 folds 4.00–5.00 mm, 5 folds	MGCID	1.42 mm/0.056" (2.00–4.00 mm)
Coating	Selective Dura-Trac	Shaft dimensions for 2.00–3.75 mm	Proximal 0.69 mm (2.1 F) Distal 0.84 mm (2.5 F)	MGCID	1.68 mm/0.066" (4.50–5.00 mm)

ORDERING INFORMATION

Balloon Diameter (mm)	Balloon Length (mm)					
	06	08	12	15	20	27
2.00	NCEUP2006X	NCEUP2008X	NCEUP2012X	NCEUP2015X	NCEUP2020X	—
2.25	NCEUP22506X	NCEUP22508X	NCEUP22512X	NCEUP22515X	NCEUP22520X	—
2.50	NCEUP2506X	NCEUP2508X	NCEUP2512X	NCEUP2515X	NCEUP2520X	NCEUP2527X
2.75	NCEUP27506X	NCEUP27508X	NCEUP27512X	NCEUP27515X	NCEUP27520X	NCEUP27527X
3.00	NCEUP3006X	NCEUP3008X	NCEUP3012X	NCEUP3015X	NCEUP3020X	NCEUP3027X
3.25	NCEUP32506X	NCEUP32508X	NCEUP32512X	NCEUP32515X	NCEUP32520X	NCEUP32527X
3.50	NCEUP3506X	NCEUP3508X	NCEUP3512X	NCEUP3515X	NCEUP3520X	NCEUP3527X
3.75	NCEUP37506X	NCEUP37508X	NCEUP37512X	NCEUP37515X	NCEUP37520X	NCEUP37527X
4.00	NCEUP4006X	NCEUP4008X	NCEUP4012X	NCEUP4015X	NCEUP4020X	NCEUP4027X
4.50	—	NCEUP4508X	NCEUP4512X	NCEUP4515X	NCEUP4520X	—
5.00	—	NCEUP5008X	NCEUP5012X	NCEUP5015X	—	—

COMPLIANCE DATA

Pressure (atm)	Average Balloon Diameter (mm)										
	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
6	1.89	2.12	2.35	2.54	2.77	2.94	3.13	3.43	3.67	4.09	4.64
7	1.91	2.15	2.37	2.57	2.80	2.97	3.17	3.47	3.72	4.14	4.71
8	1.93	2.17	2.40	2.60	2.84	3.01	3.22	3.51	3.78	4.19	4.79
9	1.95	2.19	2.43	2.63	2.87	3.06	3.27	3.56	3.84	4.25	4.86
10	1.97	2.21	2.46	2.66	2.91	3.10	3.32	3.61	3.90	4.31	4.92
11	1.98	2.23	2.48	2.69	2.94	3.14	3.37	3.66	3.95	4.37	4.95
12	1.99	2.25	2.50	2.71	2.97	3.18	3.41	3.70	3.99	4.42	5.00
13	2.00	2.26	2.51	2.73	2.99	3.21	3.44	3.73	4.03	4.47	5.04
14	2.02	2.28	2.53	2.75	3.01	3.23	3.47	3.76	4.07	4.51	5.08
15	2.03	2.29	2.54	2.77	3.03	3.26	3.50	3.78	4.10	4.54	5.12
16	2.04	2.30	2.56	2.78	3.05	3.28	3.52	3.81	4.13	4.58	5.15
17	2.05	2.31	2.58	2.80	3.07	3.30	3.55	3.83	4.15	4.60	5.19
18	2.06	2.33	2.59	2.81	3.09	3.33	3.57	3.86	4.18	4.63	5.23
19	2.07	2.34	2.61	2.83	3.11	3.35	3.59	3.88	4.21	4.66	5.27
20	2.09	2.36	2.63	2.84	3.13	3.37	3.62	3.91	4.24	4.69	5.30
21	2.10	2.37	2.65	2.86	3.15	3.39	3.64	3.93	4.28	4.72	5.35
22	2.12	2.39	2.66	2.88	3.17	3.41	3.66	3.96	4.31	4.75	5.39
23	2.14	2.40	2.68	2.90	3.20	3.43	3.69	3.99	4.34	4.78	—
24	2.15	2.42	2.71	2.92	3.22	—	3.71	—	—	4.81	—
25	—	2.44	—	2.94	3.25	—	3.74	—	—	4.84	—

Nominal pressure **Rated burst pressure¹²** ¹²Rated burst pressure—do not exceed.

Nominal pressure: the pressure at which the balloon reaches its labeled diameter
 Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated

Medtronic

For further information, please call and/or consult Medtronic at the toll-free numbers or websites listed.

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Tel: 763.526.7890

Product Services
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Fax: 800.838.3103

medtronic.com

IMPORTANT INFORMATION: Prior to use, refer to the product *Instructions for Use* supplied with these devices for indications, contraindications, side effects, suggested procedure, warnings and precautions.

CAUTION: Federal (USA) law restricts these devices to sale by or on the order of a licensed healthcare practitioner. See package inserts for full product information.

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