Technical information[16]

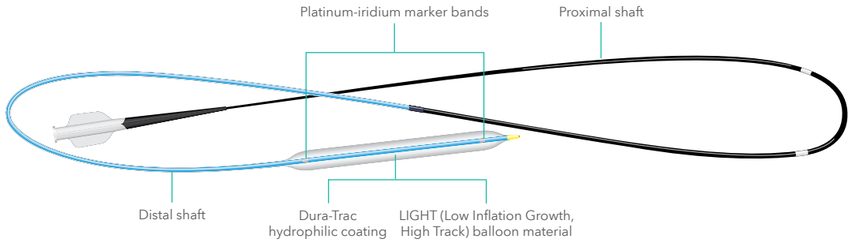
Catheter length	142 cm
Marker bands	2.00–5.00 mm, platinum-iridium, double
Coating	Selective Dura-Trac
Balloon material	LIGHT (Low Inflation Growth, High Track)
MiniWrap	2.00–3.75 mm, 3 folds; 4.00–5.00 mm, 5 folds

Shaft dimensions for 2.00–3.75 mm	Proximal 0.69 mm (2.1 F) Distal 0.84 mm (2.5 F)
Shaft dimensions for 4.00–5.00 mm	Proximal 0.69 mm (2.1 F) Distal 0.91 mm (2.7 F)
MGCID	1.42 mm/0.056" (2.00–4.00 mm); 1.68 mm/0.066" (4.50–5.00 mm)

NC Euphora RX balloon product code

NCEUP2006X

- 06 — Rapid exchange
- 20 — Length
- 06 — Diameter
- NCEUP — Product code



Ordering information[16]

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[16]

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

Nominal pressure | Rated burst pressure – do not exceed

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	–

™*Third-party brands are trademarks of their respective owners.
1. Based on customer needs 10034114DOC, Next generation NC POBA. November 2011.
2. Based on design freeze 10099512DOC, NC Euphora. June 2013.
3. Based on global events. 2013.
4. Based on market research balloon conjoint. 2010.
5. Based on competitive testing report 10121590DOC, NC Euphora 3.00 x 20 mm versus NC Trek and NC Quantum Apex 3.00 x 20 mm 2D track testing. April 2015.
6. Based on competitive testing report 10121590DOC, NC Euphora 2.00 x 6.00 mm, 3.00 x 20 mm and 4.00 x 20 mm versus NC Trek and NC Quantum Apex 2.00 x 6 mm, 3.00 x 20 mm and 4.00 x 20 mm. April 2015.
7. Based on product performance specification report 10134347DOC, NC Euphora. September 2020.
8. Based on competitor evaluation report 10121590DOC, NC Euphora vs NC Trek and NC Quantum Apex™* 3.00 mm x 20 mm balloons pushability and 2D track testing. April 2015.
9. Based on delivery growth summary. March 2014.
10. Based on competitive testing report 10247609DOC, NC Euphora. March 2016.
11. Biswas S, Soon K, Lim YL. Adjunctive balloon dilatation after stent deployment: beneficial or deleterious? *Int J Cardiol.* May 17, 2012;157(1):3–7.
12. Lui HK. The Perfect Fit: Getting the Most Out of Your Coronary Stent. *Cath Lab Digest.* Available at: https://www.hmpglobalearningnetwork.com/site/cathlab/articles/the-perfect-fit-getting-most-out-your-coronary-stent?page=2. Accessed June 12, 2025.
13. Nichols AB, Smith R, Berke AD, Shlofmitz RA, Powers ER. Importance of balloon size in coronary angioplasty. *J Am Coll Cardiol.* 1989;13(5):1094–1100.
14. Based on design verification report 10135763DOC, NC Euphora. April 2014.
15. Based R&D lab book raw data, recross through stenting testing. August 2013.
16. Based Product Label Technical Information Chart (PLTIC), NC Euphora. June 2017.
Bench testing may not be indicative of clinical performance.

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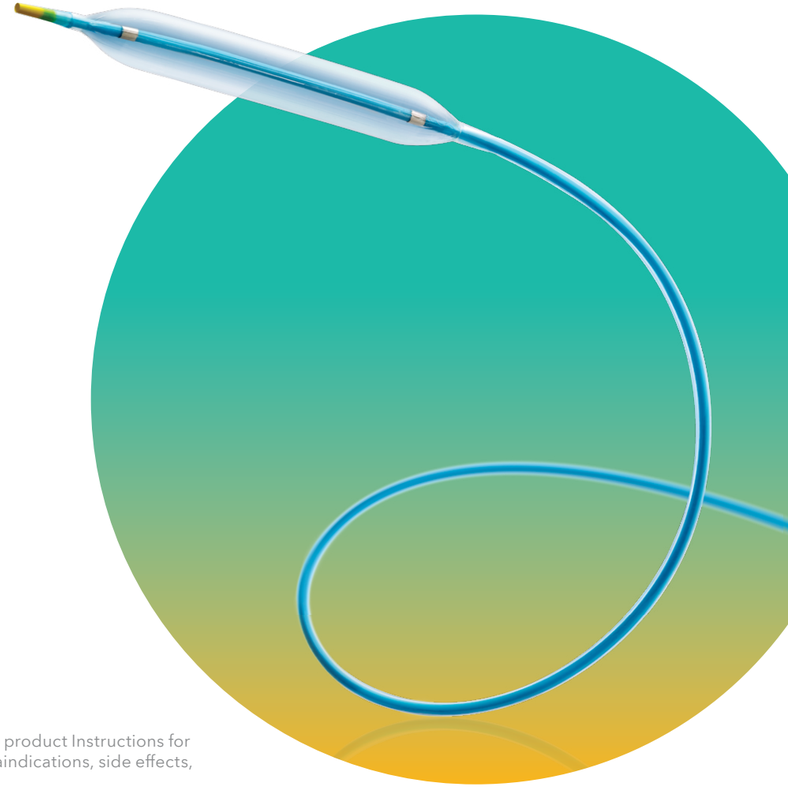
NC Euphora™

noncompliant balloon dilatation catheter

The defining moment when technology matches expertise



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.

Design advances were inspired by customer needs and insight[1-4]

We sought input from nearly 2,000 interventional cardiologists and cath lab professionals at Medtronic-sponsored technology exchanges, advisory board meetings, scientific forums, training events, and peer-to-peer educational seminars.[1,4]

Then, with **specific design targets** in mind, we deliberately developed each balloon component to exceed your expectations and complement your expertise.[2]

In tough cases, you can feel confident that our NC Euphora balloon **will deliver**.[5]

Each balloon component was designed for unsurpassed performance[2,6]

From materials to design to packaging, every NC Euphora balloon component was developed to enhance usability and outperform leading competitors.

Strong, durable and flexible LIGHT™ (Low Inflation Growth, High Track) proprietary balloon material provides high-pressure capability, a low growth profile and excellent recross

- Reinflates to rated burst pressure (RBP) up to 20 times without bursting[7]

Platinum-iridium marker bands enhance visibility[2]

PowerTrac™ Technology enables superior deliverability[8]

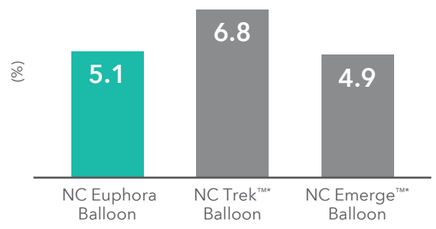
Tapered tip design and low lesion entry profile[2,6] (0.015 in) improves cross and recross through deployed stent with low likelihood of catching[6]

Built for growth and deliverability[2,8,9]

High RBP up to 20 atm[7] with a low growth profile for superb precision[10]

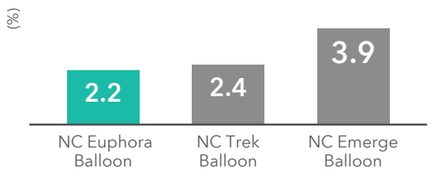
Low radial growth to reduce unwanted vessel expansion[10-12]

Radial growth (lower is better)



Lower longitudinal growth[9,10,12,13] to minimize vessel trauma outside the stent

Longitudinal growth (lower is better)

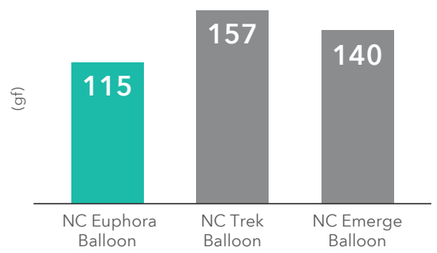


NC Euphora, NC Trek, and NC Quantum Apex 3.00-mm x 20-mm balloons tested at 12 nominal pressure and 20 RBP. Note: NC Trek balloon is labeled for 18 RBP.

Reliable performance in long, difficult cases[10,14]

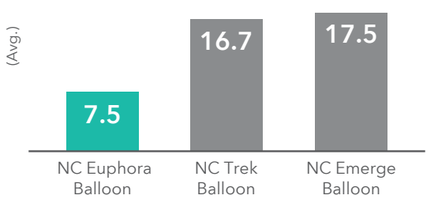
Requires significantly less force to track through tortuous anatomy[2,6,9]

Trackability (lower is better)



Low likelihood of catching when recrossing a deployed stent[6,10,15]

Tip catches during stent recross (lower is better)



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