

Pulmonary Artery Catheters

With No Natural Rubber Latex Components

Performance you can
count on, without the
risk of latex allergy.



A complete line of pulmonary
artery catheters with no natural
rubber latex components.

icumedical
human connections



The problem – latex allergies.

Latex allergy or hypersensitivity occurs when the body's immune system reacts to proteins found in natural rubber latex. A Type I systemic reaction is an immediate hypersensitivity reaction moderated by the development of IgE antibodies to specific proteins in latex, causing a serious and potentially lethal event.

A recent study of antilatax IgE antibodies in blood donors has shown that the prevalence of latex sensitivity may be as high as 6-12%¹ or up to 37 million people in the U.S. alone. Once sensitized, most individuals are asymptomatic and unaware of their antibody status;^{1,2} therefore, clinicians cannot assume that any patient is free of latex allergy.

Consider the following case involving a 63-year-old patient undergoing surgical resection of an 11 mm abdominal aortic aneurysm:

“After insertion of radial artery and pulmonary artery (PA) catheters and prior to induction of anesthesia, the anesthesiologist noted that the patient experienced a significant decrease in systolic arterial blood pressure from 120 to 70 mmHg. Surgery was postponed to the following day in spite of the risk of rupture of the aneurysm, to identify the cause of this apparent systemic allergic reaction. On the second day, the PA catheter was inserted when the patient immediately complained of dyspnea, the SaO₂ decreased from 93% to 79%, and pulmonary auscultation revealed bronchospasm. Tracheal intubation was performed, the patient was treated with phenylephrine and epinephrine, and crystalloids were used for volume expansion to restore hemodynamic status. This patient had not reported any previous history of sensitivity to latex.”³

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The solution – ICU Medical's extensive portfolio of critical care and advanced sensor catheters with no natural rubber latex components.

› Oximetry (SvO₂) Catheters

- TriOx™

› Continuous Cardiac Output (CCO) Catheters

- TDQ™

› CCO & PA Oximetry Catheters

- OptiQ™

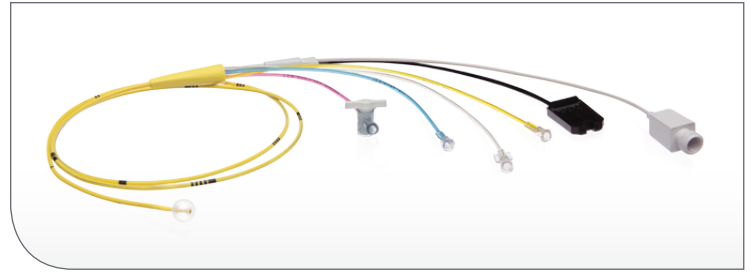
› Standard Pulmonary Artery Pressure & Pulmonary Artery Occlusion Pressure Monitoring Catheters

› Standard PA Thermodilution Catheters

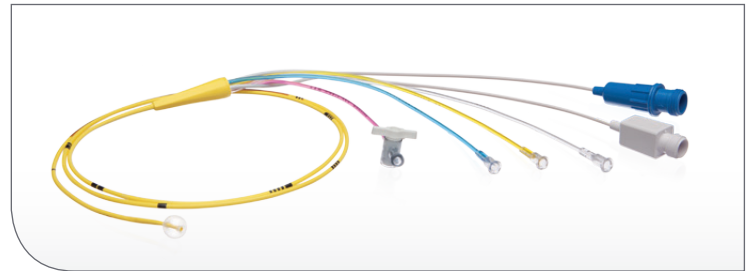
- Multiflex

- Pentalumen™

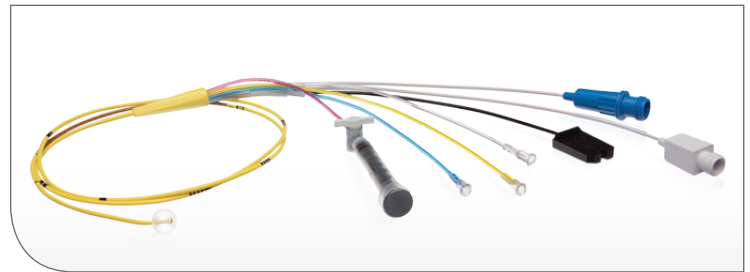
PA catheters with no natural rubber latex components that cover the full spectrum of patient acuity without compromising product performance.



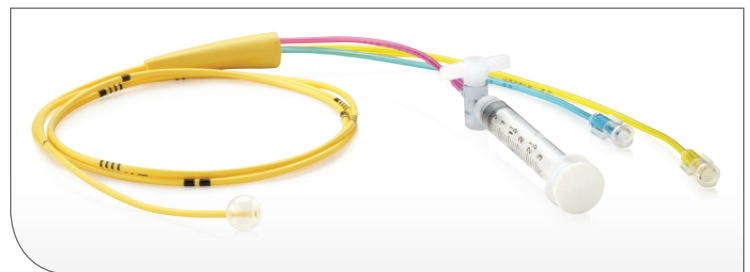
TriOx



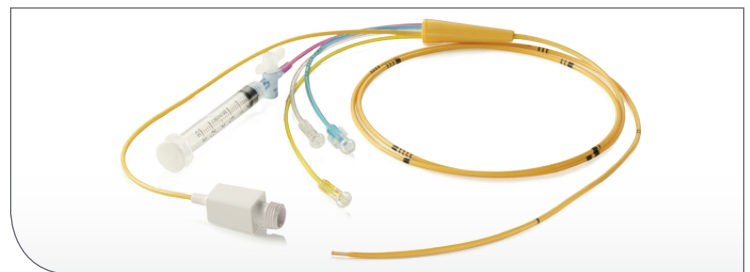
TDQ



OptiQ



Standard PAP & PAOP



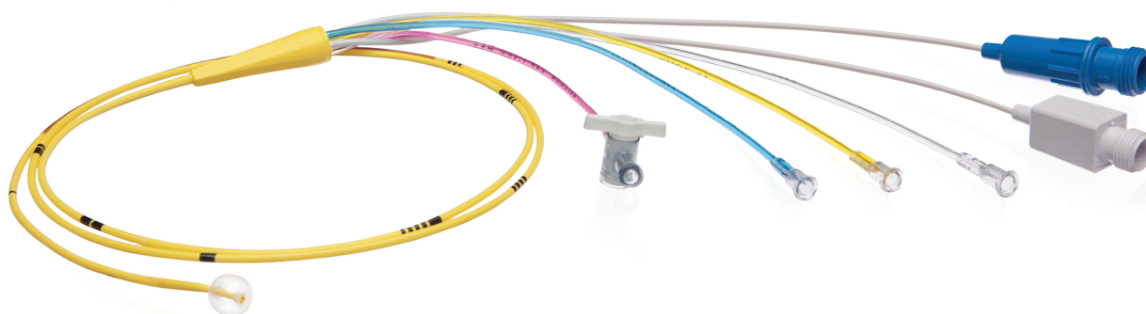
Pentalumen

1. Lebenbom-Mansour MH, Oesterle JR, Ownby DR, et al. The incidence of latex sensitivity in ambulatory surgical patients: a correlation of historical factors with positive serum immunoglobulin E levels. *Anesth Analg* 1997; 85: 44-9.
2. Page EH, Esswein EJ. NIOSH health hazard evaluation report. HETA 98-0096-2737 Exempla St. Joseph Hospital. Cincinnati, OH: National Institute of Occupational Safety and Health 1198:1-25.
3. Ueda N, Kitamura R, Wakamori T, Nakamura K, Konisha K. Anaphylactic reaction to latex during spinal anesthesia: a case report. *Masui*. 2008 May; 57(5):637-9.

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Choose the level of monitoring necessary to support your therapeutic goals.



TriOx Oximetry (SvO₂) Catheters

LIST NUMBER	LUMENS*	FRENCH SIZE	LENGTH	HEPARIN	LATEX
50324-08	2	7.5 Fr	110 cm	Yes	No
50325-08	2	7.5 Fr	110 cm	No	No
50328-08	3	8 Fr	110 cm	Yes	No
50337-08	3	8 Fr	110 cm	No	No
50327-08	3	7.5 Fr	110 cm	Yes	No
50344-08	3	8 Fr	110 cm	Yes	No

TDQ CCO Catheters

LIST NUMBER	LUMENS*	FRENCH SIZE	LENGTH	HEPARIN	LATEX
52515-15	3	8 Fr	110 cm	Yes	No

OptiQ CCO & Oximetry (SvO₂) Catheters

LIST NUMBER	LUMENS*	FRENCH SIZE	LENGTH	HEPARIN	LATEX
52509-15	3	8 Fr	110 cm	Yes	No
52511-15	3	8 Fr	110 cm	No	No
52510-15	3	8 Fr	110 cm	Yes	No
52516-15	3	8 Fr	110 cm	No	No

Standard PAP & PAOP Monitoring Catheters

LIST NUMBER	LUMENS*	FRENCH SIZE	LENGTH	HEPARIN	LATEX
41250-06	2	7 Fr	110 cm	No	No
41248-06	1	7 Fr	110 cm	No	No

Multiflex & Pentalumen Standard PA Thermodilution Catheters

LIST NUMBER	LUMENS*	FRENCH SIZE	LENGTH	HEPARIN	LATEX
41223-02	2	7 Fr	110 cm	No	No
41229-02	2	7 Fr	110 cm	Yes	No
41231-06	2	7 Fr	110 cm	No	No
41239-06	2	7 Fr	110 cm	Yes	No
41227-02	2	7 Fr	110 cm	No	No
41251-06	2	7 Fr	110 cm	No	No
41216-02	3	8 Fr	110 cm	No	No
41232-02	3	8 Fr	110 cm	Yes	No
41217-02	3	8 Fr	110 cm	No	No
41233-02	3	8 Fr	110 cm	Yes	No
41237-06	3	8 Fr	110 cm	Yes	No
41240-06	3	8 Fr	110 cm	No	No
41300-02	3	8 Fr	110 cm	Yes	No
41252-06	3	8 Fr	110 cm	Yes	No

* total infusion lumens

Eliminate the risk of a latex allergy event for your patients!

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human connections

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Caution: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician or other licensed practitioner.

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