

The BioTray

The BioTray contains all the necessary supplies used with the SafetyWedge™ thermodilution catheter. Value added benefits:

- Elimination of the sheath-catheter size compatibility issue
- Elimination of nursing cover as the tray can be opened in a sterile area
- Ease of use
- All components matched by Biosensors for optimum compatibility
- Convenience
- Easier inventory control



Features high quality products at lower costs, saves time and reduces supply inventories.

Contents of the BioTray:

- 1 Thermodilution Catheter / PA Monitoring Catheter
- 1 110cm Contamination Shield
- 1 SafetyWedge™ Balloon Device
- 1 Introducer w/Vessel Dilator
- 1 0.35" x 45cm/FC/SS/DE.(ST&3J)
- 1 Needle AMC/4 18GTW x 2.75"

- 1 Needle Catheter Unit
- 1 Towel, Poly White
- 3 Gauze White 4" x 4"
- 1 Swab, Prep Pov/Iodine
- 2 Syringe 5cc L/S
- 1 Scalpel, #11 Short

- 1 Needle, Hypo 25G x 5/8"
- 1 Needle, Hypo 22G x 1.5"
- 1 Drape, Fenestrated 22" x 22"
- 1 Syringe 1.5cc
- 1 Suture, Silk

SafetyWedge™ Thermodilution Catheters

Product Code	French Size	Number of Lumens	PVC Model (1)	PU Model (2)	Non-Coated Body (N)	Heparin Coated Body (H)	SafetyWedge™ Device (D)	*S* Tip Guide (C)	Stiff Body (F)	Soft PVC (S)	Without Contamination Sleeve (X)	Usable Length	Contamination Sleeve Length	Balloon Volume (cc)	Balloon Deflate Time (max)	Thermistor Resistance (ohms)	Natural Frequency (Hz)	Introducer Size Required	Radiopacity
Thermodilution Catheter																			
TD1504HD	5	4	*			*	*					90	50	0.75	5s	14K	30	6F	
TD1504HDX	5	4	*			*	*				*	90	50	0.75	5s	14K	30	6F	
TD1504HX	5	4	*			*	*				*	90	50	0.75	5s	14K	30	6F	
TD1504NX	5	4	*		*	*	*				*	90	50	0.75	5s	14K	30	6F	
TD1604HD	6	4	*			*	*				*	110	100	1	5s	14K	32	7F	
TD1604HDX	6	4	*			*	*				*	110	100	1	5s	14K	32	7F	
TD1604HX	6	4	*			*	*				*	110	100	1	5s	14K	32	7F	
TD1604NX	6	4	*		*	*	*				*	110	100	1	5s	14K	32	7F	
TD1704HD	7	4	*			*	*				*	110	100	1.5	5s	14K	32	8F	
TD1704HDC	7	4	*			*	*	*			*	110	100	1.5	5s	14K	32	8F	
TD1704HDF	7	4	*			*	*	*	*		*	110	100	1.5	5s	14K	32	8F	
TD1704HDX	7	4	*			*	*	*	*		*	110	100	1.5	5s	14K	32	8F	
TD1704HX	7	4	*			*	*	*	*		*	110	100	1.5	5s	14K	32	8F	
TD1704NX	7	4	*		*	*	*	*	*		*	110	100	1.5	5s	14K	32	8F	
TD1755HD	7.5	5	*			*	*				*	110	100	1.5	5s	14K	32	8.5F	
TD1755HDS	7.5	5	*			*	*		*		*	110	100	1.5	5s	14K	32	8.5F	
TD1755HDSX	7.5	5	*			*	*		*	*	*	110	100	1.5	5s	14K	32	8.5F	
TD1755HDX	7.5	5	*			*	*		*	*	*	110	100	1.5	5s	14K	32	8.5F	
TD1755HSX	7.5	5	*			*	*		*	*	*	110	100	1.5	5s	14K	32	8.5F	
TD1755HX	7.5	5	*			*	*		*	*	*	110	100	1.5	5s	14K	32	8.5F	
TD1755NX	7.5	5	*		*	*	*		*	*	*	110	100	1.5	5s	14K	32	8.5F	
TD2504ND	5	4	*	*	*	*	*				*	90	50	0.75	5s	14K	30	6F	
TD2504NDF	5	4	*	*	*	*	*	*			*	90	50	0.75	5s	14K	30	6F	
TD2504NX	5	4	*	*	*	*	*	*			*	90	50	0.75	5s	14K	30	6F	
TD2604ND	6	4	*	*	*	*	*				*	110	100	1.00	5s	14K	32	7F	
TD2604NDF	6	4	*	*	*	*	*	*			*	110	100	1.00	5s	14K	32	7F	
TD2604NX	6	4	*	*	*	*	*	*			*	110	100	1.00	5s	14K	32	7F	
TD2704ND	7	4	*	*	*	*	*				*	110	100	1.50	5s	14K	32	8F	
TD2704NDF	7	4	*	*	*	*	*	*	*		*	110	100	1.50	5s	14K	32	8F	
TD2704NX	7	4	*	*	*	*	*	*	*		*	110	100	1.50	5s	14K	32	8F	
TD2755ND	7.5	5	*	*	*	*	*				*	110	100	1.50	5s	14K	32	8.5F	
TD2755NDF	7.5	5	*	*	*	*	*	*	*		*	110	100	1.50	5s	14K	32	8.5F	
TD2755NX	7.5	5	*	*	*	*	*	*	*		*	110	100	1.50	5s	14K	32	8.5F	
PA Monitoring Catheter																			
TD1502HD	5	2	*			*	*				*	90	50	0.75	5s	NA	NA	6F	
TD1502HDX	5	2	*			*	*				*	90	50	0.75	5s	NA	NA	6F	
TD1502HX	5	2	*			*	*				*	90	50	0.75	5s	NA	NA	6F	
TD1602HD	6	2	*			*	*				*	110	100	1	5s	NA	NA	7F	
TD1602HDX	6	2	*			*	*				*	110	100	1	5s	NA	NA	7F	
TD1602HX	6	2	*			*	*				*	110	100	1	5s	NA	NA	7F	
TD1603HD	6	3	*			*	*				*	110	100	1	5s	NA	NA	7F	
TD1603HDX	6	3	*			*	*				*	110	100	1	5s	NA	NA	7F	
TD1603HX	6	3	*			*	*				*	110	100	1	5s	NA	NA	7F	
TD1603NX	6	3	*	*	*	*	*				*	110	100	1	5s	NA	NA	7F	
TD1702HD	7	2	*			*	*				*	110	100	1.5	5s	NA	NA	8F	
TD1702HDX	7	2	*			*	*				*	110	100	1.5	5s	NA	NA	8F	
TD1702HX	7	2	*			*	*				*	110	100	1.5	5s	NA	NA	8F	
TD1703HD	7	3	*			*	*				*	110	100	1.5	5s	NA	NA	8F	
TD1703HDX	7	3	*			*	*				*	110	100	1.5	5s	NA	NA	8F	
TD1703HX	7	3	*			*	*				*	110	100	1.5	5s	NA	NA	8F	
TD2703ND	7	3	*	*	*	*	*				*	110	100	1.5	5s	NA	NA	8F	
TD2703NX	7	3	*	*	*	*	*				*	110	100	1.5	5s	NA	NA	8F	
TD2502ND	5	2	*	*	*	*	*				*	90	50	0.75	5s	NA	NA	6F	
TD2502NX	5	2	*	*	*	*	*				*	90	50	0.75	5s	NA	NA	6F	
TD2602ND	6	2	*	*	*	*	*				*	110	100	1	5s	NA	NA	7F	
TD2602NX	6	2	*	*	*	*	*				*	110	100	1	5s	NA	NA	7F	
TD2603ND	6	3	*	*	*	*	*				*	110	100	1	5s	NA	NA	7F	
TD2603NX	6	3	*	*	*	*	*				*	110	100	1	5s	NA	NA	7F	
TD2702ND	7	2	*	*	*	*	*				*	110	100	1.5	5s	NA	NA	8F	
TD2702NX	7	2	*	*	*	*	*				*	110	100	1.5	5s	NA	NA	8F	

Sufficiently opaque to appear visible under conventional fluoroscope illumination while in vivo.

SafetyWedge™ covered by U.S. Patent No. 5,007,919

1. Thomas Santora, MD; William Ganz, MD; Julian Gold, MD; Mark Wittman, MD; Beverley Leyerle, RN; H.J.C. Swan, MD, PhD; M. Micheal Shabot, MD. "New method for monitoring pulmonary artery catheter location." *Critical Care Medicine*, Vol. 19, No. 3, p.422, 1991.

2. Jean-Francois Hardy, MD; Martin Morissette, MD; Jean Taillefer, MD; Rene Vaudclair, MD; "Pathophysiology of Rupture of the Pulmonary Artery by Pulmonary Artery Balloon-Tipped Catheters." *Anesthesia & Analgesia*, Vol.62, p.925, 1983.

Note: Heparin coated model has attained FDA 510 (K) approval.

Singapore:
Biosensors International Pte Ltd
21 Kallang Avenue, #07-165/171,
Singapore 339412
Tel: +65 6411 0500
Fax: +65 6298 6242
Email: sales@biosensors.com.sg

United States of America:
Biosensors International USA
20250 Acacia Street
Suite 200, Newport Beach,
CA 92660, USA
Tel: +1 (949) 553 8300
Fax: +1 (949) 553 9129
Email: sales@biosensors-usa.com

BIOSENSORS INTERNATIONAL

www.biosensors.com

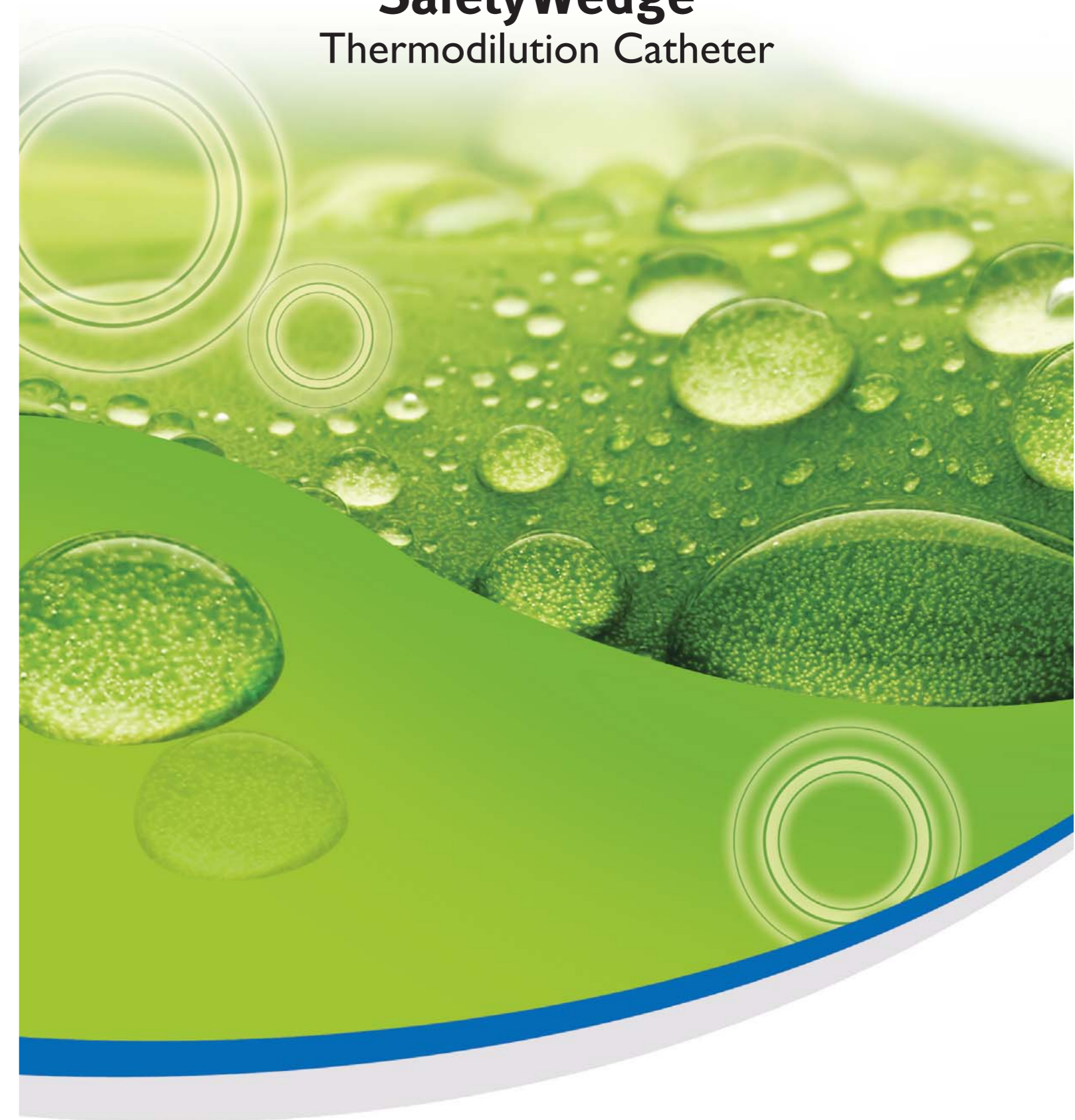
China:
Biosensors International China Sales Office
Room 408, Guabin Building
No. 11, Fuchengmenwai Street, Xicheng District,
Beijing 100037, China
Tel: +86 (10) 6800 3481
Fax: +86 (10) 6800 4202
Email: sales.icu@jwmsgrp.com

Japan:
Biosensors Japan Co., Ltd.
Beliefs Nagayama 501,
1-5 Nagayama, Tama-Shi,
Tokyo 206 0025, Japan
Tel: +81 (42) 355 3311
Fax: +81 (42) 355 3312
Email: cs@sj.co.jp

Netherlands:
Biosensors BV
Weeresteinstraat 147,
2182 GV, Hillegom, The Netherlands
Tel: +31 (25) 251 7676
Fax: +31 (25) 252 6782
Email: sales-ccp-bv@biosensors.com

CE 0044

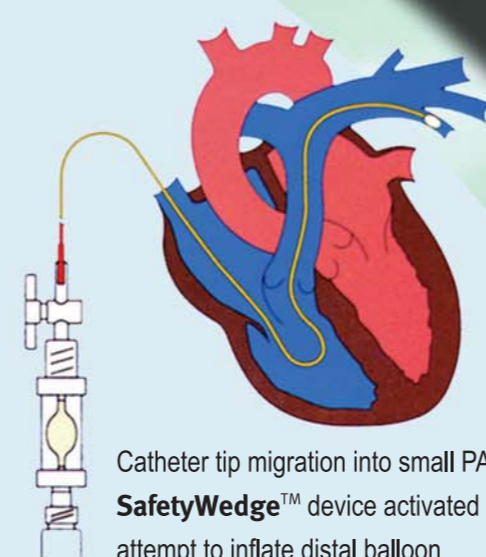
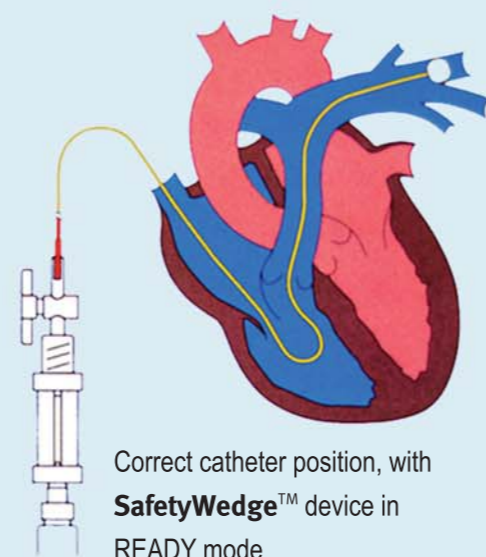
SafetyWedge™ Thermodilution Catheter



BIOSENSORS INTERNATIONAL
Improving Lives Through Medical Innovation

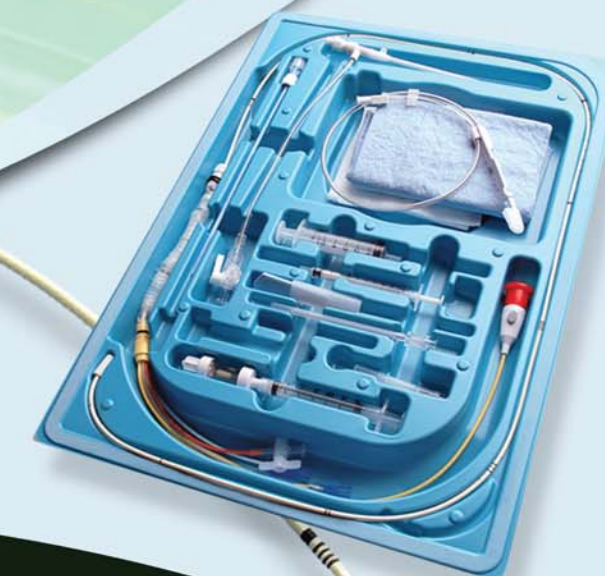
About the SafetyWedge™

The unique SafetyWedge™ catheter...
an unprecedented level of safety for
balloon inflation.



SafetyWedge™ Thermodilution Catheter with the BioTray

Reducing the Serious Risk of
Pulmonary Artery Rupture.



Catheter tips often migrate to small arterial branches that are unable to safely accommodate inflated balloons.

SafetyWedge™ thermodilution catheters virtually eliminate the risk of pulmonary artery rupture due to balloon overpressurization... the most serious complication associated with PA catheter monitoring.

SafetyWedge™ catheters reduce the risk of this potentially dangerous situation by facilitating inflation of the SafetyWedge™ device when either (1) the distal balloon encounters abnormal resistance to inflation pressure.

SafetyWedge™ component acts as a pressure relief valve to prevent overpressurization of the distal balloon.

This not only averts vessel rupture but balloon rupture as well, and alerts the clinician to reposition the catheter.

Features and Benefits

- **SafetyWedge™ Component**
Exclusive Safety balloon acts as pressure relief valve to prevent overpressurisation of the balloon.
- **Contamination Shield**
Provides a protective barrier against contamination of the catheter during catheter insertion and manipulation.
- **Medication Lumen**
Permits blood sampling, fluid and drug administration and central venous pressure monitoring (7.5 French catheter only).
- **Thermistor Connector**
Compatible with commonly used cardiac output computers, also used to monitor pulmonary artery blood temperature.
- **PA Distal Lumen**
Allows mixed venous blood sampling, and measurements of pulmonary artery and pulmonary capillary wedge pressure.
- **Distal Balloon**
Provides excellent symmetry and tip coverage for the safe flotation of the catheter and for pulmonary capillary wedge pressure measurements.
- **CVP Proximal or Injectate Lumen**
Carries cardiac output injectate solution to right atrium. Accommodates blood sampling, fluid and drug administration and — when attached to a pressure transducer — monitor of right atrium pressure.

Total Package, Total Solution

Enjoy the benefits of the SafetyWedge™ thermodilution catheter in a convenient, fully accessorised all-in one tray.

