Global Myocardial Protection
Edwards offers a wide range of antegrade and retrograde cardioplegia products designed to promote global myocardial protection.
Complete Antegrade/Retrograde Solutions

Edwards Lifesciences is a pioneer in the development of superior retrograde cardioplegia solutions that have helped advance the practice of global myocardial protection. With over 45 products designed to accommodate surgical techniques for retrograde delivery alone, Edwards offers a comprehensive line of retrograde and antegrade cannulae, cardioplegia sets and accessories. And with an ongoing commitment to product innovation, this line continues to evolve to enhance patient safety.

Maximizing Cardioplegia Coverage

Surgical outcomes for arrested heart procedures have been aided by advances in myocardial protection that include antegrade and retrograde cardioplegia, or both. Simultaneously, patients undergoing surgical revascularization are presenting more advanced disease states requiring even greater care in providing this protection. For these patients, as well as for aortic and mitral valve procedures, surgery involving prolonged cross-clamping and patients requiring re-operative surgery, maximizing myocardial protection is essential. And a growing body of evidence points to combined antegrade and retrograde cardioplegia as the best approach for achieving this.1-5
Developed to maximize myocardial protection, Edwards retrograde delivery solutions satisfy almost every surgical technique and anatomical requirement. Featuring both manual- and self-inflating balloons, they incorporate a broad range of balloon styles, cannula and stylet options that aid insertion, increase retention and ensure a smooth flow of cardioplegia.

Easing Insertion
Edwards’ most popular cannula features a unique, patented design combining an ergonomically designed handle that aids insertion with a stiff, shapeable stylet that presents an anatomically precise path for placement. Other options that are available to facilitate insertion include:

- Guidewire Stylets with Handles
- Malleable Stylets
- Guidewire Stylets
- 20cm, 27cm and 32cm Body Lengths
- 9 Fr, 12 Fr and 14 Fr Sizes
- Smooth Balloons

Promoting Retention
A proprietary Edwards Retractaguard cannula body incorporating a malleable wire is available that retains its shape to help prevent slippage, particularly during posterior grafting procedures. Other Edwards cannulae offer optimum conformity to the coronary sinus and accommodate both physician preference and patient anatomy with:

- A Double Balloon
- Textured Balloons
- Retractaguard (RC2 models)
- Silicone or Polyurethane Balloons
- 14mm, 18mm and 20mm Balloons

Larger diameter, textured balloons resist slippage and retraction.
Smaller, smooth balloons offer less resistance for easier insertion.
Facilitating Flow

Manufactured in a variety of materials, body styles and shapes, Edwards retrograde cannulae minimize kinking and are customized for all anatomy sizes for warm or cold cardioplegia with:

- Polyurethane and PVC Bodies
- 9 Fr, 12 Fr and 14 Fr Sizes
- Wire-Reinforced Silicone Bodies

Edwards Antegrade Cannulae

Designed to administer antegrade cardioplegia through the aortic root, Edwards antegrade cannulae incorporate a number of unique safety features such as:

- Smaller gauge insertion needles and center-vented needles
- Atraumatic, soft tip cannulae
- Models with left heart venting and/or pressure monitoring lines

Cardioplegia Sets and Accessories

Additional product solutions and accessories available from Edwards that add safety, confidence and convenience to the process of providing global myocardial protection include:

- Cardioplegia Monitoring and Infusion Sets
- Antegrade/Retrograde Cardioplegia Delivery Sets
- Vessel Cannulae
- Coronary Ostia Perfusion Cannulae
- Arteriotomy Cannulae
- Internal Mammary Artery Cannulae

For additional information about Edwards’ innovative cardioplegia solutions—as well as new cardioplegia product developments—please call 800.424.3278.