

Be a part of the evolution.
Confident Myocardial Protection
with the **QUEST MPS 3 System**

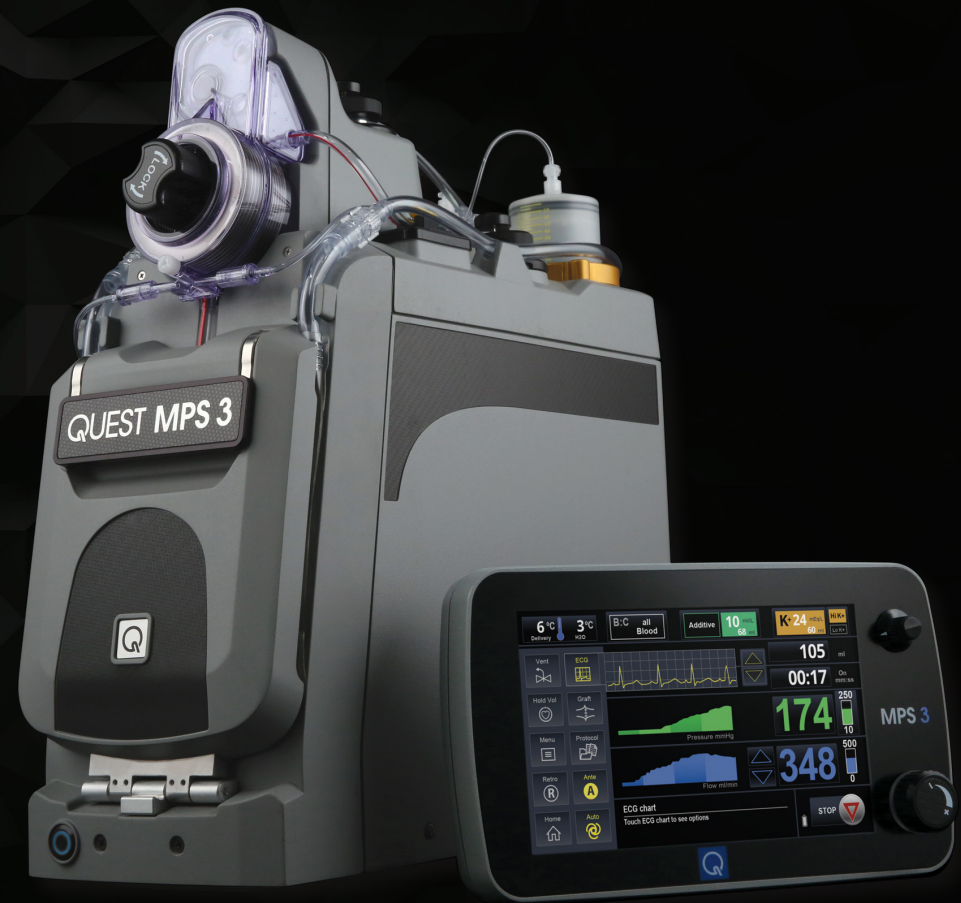
QUEST MPS[®] 3

Smarter Myocardial Protection™

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SAFE.VERSATILE.PRECISE



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1. Bharat Datt MD, CCP, et al. Blood Only Cardioplegia with Quest MPS. Canadian Perfusion Canadienne 2009; 19(1) April: 31-37

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SURGEONS

The New Quest MPS 3 System allows surgeons to take myocardial protection to the next level. Experience enhanced safety, accuracy and

- **Auto Start-** A one-touch button that allows for fast aortic valve closure and a quick arrest for the most effect induction dose possible; while maintaining control of flow, pressures, and displays ECG output.
- **Compliant with any protocol**
 - ANY Ratio
 - ANY Strategy
 - ANY Methodology
 - ANY TIME
- **Real Time Data Collection-** The ability to collect and review data and analytics. Giving you the information you want, when you want it.

PERFUSIONISTS

The Quest MPS 3 System is confident myocardial protection. Embrace more safety, versatility and precision with each case.

- **Auto Start-** The evolution of accuracy and precision. A one-touch button that allows your patient to receive accurate flow and pressure for a fast and safe arrest.
- **Real Time Data Collection-** Recorded data lets you access important information at any time during or after a procedure.
- **Active Monitoring Controller (AMC)-** The command center for the Perfusionist. Control critical delivery parameters, monitor dosages and more - all at your fingertips.

HOSPITALS

The MPS Technology can benefit hospitals at multiple levels through confident myocardial protection.

Reduced Costs

- Eliminate the purchasing of compound cardioplegia
- Improve patient outcomes resulting in reduced hospital stays

Pharmacy Management and Data

- Assist with drug accuracy and tracking
- Protocols, drug lists and dosage amounts can be saved to library
- Data is downloadable and can be imported into spreadsheet software

SAFETY

Precision drug delivery WITHOUT dilution¹

Positive Benefits of Microplegia

Provides superior myocardial protection with natural distribution

- Maximizes aerobic environment for the myocardium
- Reduction of hemodilution
- Lowers transfusion rates
- Minimizes use of hemoconcentrator
- Reduces inotropes/blood products

DILUTED cardioplegia¹

Traditional 4:1 (Blood:Crystalloid)

Negative effects of Using Crystalloid

Excessive dilution can cause problems for patients' hearts such as:

- Tissue Edema
- Increased use of blood transfusions
- Effects on low HCT
- Unstable glucose levels
- Low output cardiac syndrome
- Increased Potassium levels

