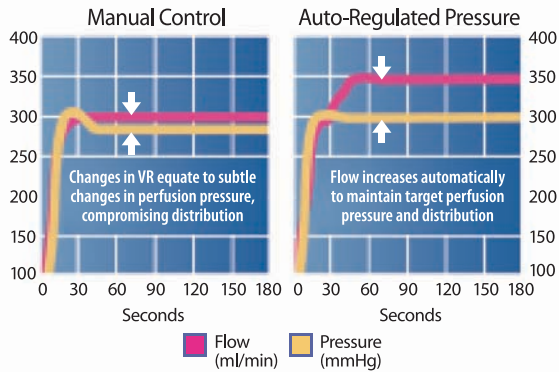




Auto-regulated pressure control facilitates better distribution — better myocardial protection



The Quest MPS[®]2 Myocardial Protection System's unique Auto-Regulated Pressure Control feature responds automatically to dynamic changes in coronary vascular resistance, which occur during the onset of arrest and fluctuate during cross-clamp.

With so much control, the Quest MPS2 provides the opportunity to:

- Reduce myocardial edema
- Reduce systemic hemodilution
- Reduce blood usage
- Improve K⁺ management
- Improve glucose management
- Provide precision pressure and temperature management
- Provide superior air detection
- Enhance safety
- REDUCE COSTS



Technical Specifications



Flow rate: 10 - 999ml/min
 Accuracy: ±5% of desired rate
 Resolution: 1 ml/min for 10-100 ml/min | 5 ml/min for 100-999 ml/min
 Air bubble detection: ≥100 µl cohesive bubble
 Prime volume: <190 ml & <45 ml heat exchanger
 Arrest & additive capacity: 50 ml
 Temperature range: Cold: Ice water controlled | Warm: 4° - 42°C Rapid Transition
 Temperature accuracy: ±1°C
 Blood to crystalloid ratio control range: 100% crystalloid | 1:9 to 66:1 | 100% blood
 Ratio accuracy: < 3% of each components required proportion
 Arrest agent concentration range: 0 - 40 mEq/L
 Additive concentration range: 0 - 50 ml/L

Call for a clinical evaluation and see why the MPS2 system is the fastest growing perfusion technology in cardiac surgery. Quest Medical offers hospital administrations several options for acquisition.

1.800.627.0226
 972.390.9800
 custserv@questmedical.com
 visit us | www.questmedical.com

Operating with confidence.



One Allentown Parkway, Allen Texas 75002-4211



Quest MPS[®] 2

Myocardial Protection System

Principles of physiologically-based Microplegia

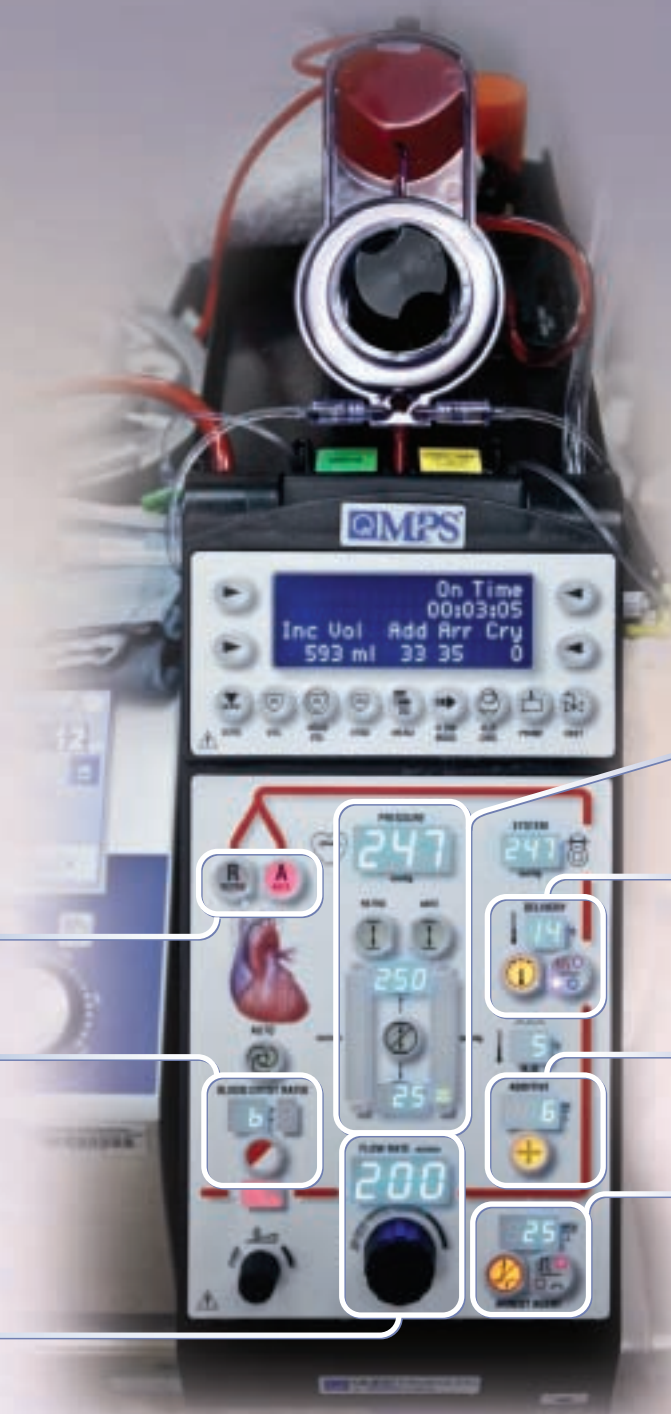
Pressure, route, composition, flow control, temperature, additives and arrest are all critical principles of true physiologically-based Microplegia. The integrated protection strategy provides the ultimate metabolic environment and natural buffer (blood) with cardio-protective additives delivered to the myocyte and endothelium to manage and attenuate ischemia. The results of such comprehensive control is the restoration of normal metabolism and promotion of functional recovery. No other product is capable of providing this level of protection.



Route | Antegrade, retrograde, or simulgrade

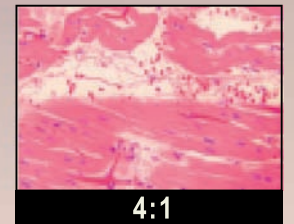
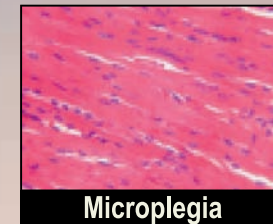
Composition | Oxygenated blood, natural buffers (Imidiazole/Histidine) and oncotic pressure

Flow Control | Precise, continuous or cyclic delivery



Quest Microplegia is confidence.

Quest Microplegia with the MPS2 Myocardial Protection System is a cost-effective strategy utilizing undiluted blood with targeted amounts of cardio-protective additives, adjustable to meet the changing requirements of each patient. Adequacy of perfusion, early recovery of metabolism and function are best achieved with the MPS2 system.



Pressure | Auto-regulated response to ischemia, maximizes distribution as resistance changes

Temperature | Responsive warm, cold, tepid

Additives | Targeted delivery for maximized benefit

Arrest | Adjustable and precise delivery to arrest and protect

