



Intelligent, Intuitive, Innovative



Certegra® P3T®
Applications

VirtualCare®
Remote Support

MEDRAD® Stellant®
CT Injection System

The Medrad® Stellant® D Dual Syringe CT Injection System is reliable and easy-to-use.

Protocol options for the most advanced clinical applications:

- ◆ Designed for complex contrast enhanced CT protocols
- ◆ Creates a tight contrast bolus
- ◆ Enables precisely timed contrast delivery

Clinical benefits of injecting contrast and saline at different ratios to visualize the whole heart

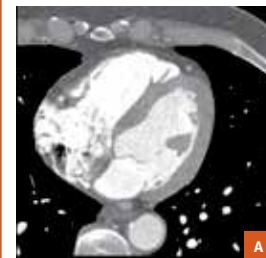
Clinical research has shown that simultaneous injection of contrast and saline, in user-selected ratios, can¹:

- ◆ Provide more uniform attenuation of the right and left ventricles
- ◆ Minimize artifacts by achieving proper attenuation levels
- ◆ Visualize the right coronary arteries and right ventricles in a single study by achieving more uniform attenuation

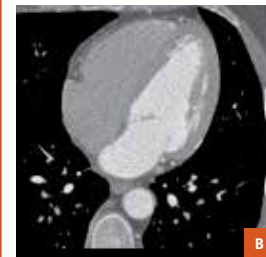
DualFlow can provide the ability to perform simultaneous injection of contrast and saline with the Bayer Medrad Stellant D Injection System

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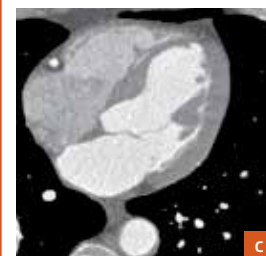
1. Kerl JM, Ravenel JG, Nguyen SA, et al. "Right heart: split-bolus injection of diluted contrast medium for visualization at coronary CT angiography", *Radiology*. 2008;247:356-364.
2. Jensen, CT, "Dual Flow Contrast Injection for Coronary CTA Improves Visualization of the Right Heart", *NASCI Abstract # 05-A-69-NASCI*.



A. With single contrast phase²



B. With Saline Flush²



C. With DualFlow phase²



P3T Cardiac Protocol

	Flow Rate mL/s	Volume mL	Duration
B	4.8	20	00:04
Test Inject			
A	4.8	77	00:16
%	4.8	20% 80% 67	00:13
B	4.8	30	00:06
?			
Total A	Total B	Portion Duration	
mL 92	mL 107	00:39	

P3T Data
 ID --
 Concentration 350 mg/mL
 Iodine 31.5 g
 Iodine Flux 1.7 g/s
 Pressure Limit 325 psi
Exit Edit

Protocol Lock
🔒

VirtualCare® Remote Support Capabilities

With the inclusion of a VirtualCare® Remote Support system, alerts are monitored and resolved proactively. That's forward thinking you can't afford to miss out on.

The Medrad® Stellant® D efficiently increases throughput with:

- ◆ Snap-on / twist-off syringe design
- ◆ Automatic plunger advance and retract when attaching and detaching syringes
- ◆ Automatic filling and priming
- ◆ Storage and recall of up to 32 protocols
- ◆ Multi-phase programming (and patented Hold/Pause feature)
- ◆ Integrated saline test inject
- ◆ Programmable pressure limit



Dual syringe kit plus 60" low pressure T-tubing with prime tube and two fill spikes

System Specifications

Injection Specifications

Flow Rate (range & increments)	0.1 to 10 mL/sec in 0.1 mL increments
Volume (range & increments)	1 mL to syringe capacity in 1 mL increments
Programmable Pressure Limit (psi/kPa)	200 mL syringe: 325 psi, 2241 kPa
Scan Delay	0-300 seconds (5 minutes) in 1 second increments
Pause	1-900 seconds (15 minutes) in 1 second increments
Hold	Maximum HOLD time is 20 minutes
Syringes (Volume capacity)	200 mL sterile disposable syringe
Maximum Number of Phases	6
Maximum Number of Protocols	32

Miscellaneous Specifications

Electrical Requirements (VAC/Hz)	100-240 VAC, 50/60 Hz, 300 Volts-AMPS
Syringe Heater Range	35 degrees C +/-5 degrees 95 degrees F +/-9 degrees
Head Mounting Options	Overhead Counterpoise System or Floor Pedestal (Floor Pedestal includes an Integral IV Pole)
DualFlow	Simultaneous Injection of Contrast and Saline
Medrad® XDS® Extravasation Detection System	Extravasation Detector - Extravasation Detection Device
Certegra® P3T® Cardiac Application	Patient-specific Injection Protocols for Cardiac CTA
Certegra® P3T® Abdomen Application	Abdominal Protocol Optimization Software
Certegra® P3T® PA Application	Pulmonary Angiography Protocol Optimization Software

Mechanical Specifications

	Height	Width	Depth	Weight
Dual Injector Head	6.1" (15.5 cm)	12.1" (30.7 cm)	14.5" (36.8 cm)	17.9 lb (8.1 kg) <i>(without syringe)</i>
Base Unit	11.5" (29.2 cm)	11.0" (27.9 cm)	8.8" (22.2 cm)	13.6 lb (6.2 kg)
Display Control Unit	13.5" (34.3 cm)	12.5" (31.9 cm)	8.9" (22.5 cm)	8.2 lb (3.7 kg)



Ordering Information

Systems listed include all standard cabling

Catalog Number: SCT 211
Medrad® Stellant® D Injection System with Pedestal Head Mount

Catalog Number: SCT 212
Medrad® Stellant® D Injection System with Counterpoise System

Catalog Number: UFK P3TC
Certegra® P3T® Cardiac Application

Catalog Number: UFK P3TA
Certegra® P3T® Abdomen Application

Catalog Number: UFK P3TPA
Certegra® P3T® Pulmonary Angiography (PA) Application



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