

Injector Pump Multi-Dosing Set-Up: 12 hour (Medrad Stellant) - Competency Assessment

Name: _____ Site: _____ Date: _____

Auditor: _____ Title: _____ Date: _____

Note: To meet Ministry of Health and Provincial Infection Control Network (PICNet) standards, only personnel trained and evaluated annually on their performance will be authorized to multi-dose. Authorized multi-dose users will be in compliance with this standard at all times.

Standard Met	Standard Not Met	Ref. Std	Multi-Dosing Criteria
		5.5.1	MRT reads Multi-Dosing Set-Up Procedure prior to clinical evaluation. See link. Injector Pump: Multi-Dosing Set-Up: Bayer 12 Hour Syringe System
Compliance Date: YYYY.MM.DD			Observations / Comments:
			MRT performs hand hygiene and dons clean gloves
Compliance Date: YYYY.MM.DD			Observations / Comments:
		5.4.2	MRT cleans and disinfects a suitable work surface and the injector (two step process) with approved wipes or solution (ie. Cavicide or 0.5% Hydrogen Peroxide) as per manufacturers recommendations, ensuring dwell time of 1 to 3 minutes. First wipe cleans, Second wipe disinfects
Compliance Date: YYYY.MM.DD			Observations / Comments:
		5.2.1	MRT doffs gloves and performs hand hygiene prior to injector set-up as per specific health authority protocol
Compliance Date: YYYY.MM.DD			Observations / Comments:
			MRT gathers multi-dosing supplies
			Observations / Comments:
		5.2.3	MRT installs syringes onto injector pump immediately after opening packaging.
Compliance Date: YYYY.MM.DD			Observations / Comments:
		5.2.4	MRT allows pistons to advance completely to remove all air in both syringes prior to loading contrast and saline.
Compliance Date: YYYY.MM.DD			Observations / Comments:
		5.2.6	MRT maintains sterility of connections when removing luer lock caps from individual contrast and saline vented transfer sets and connecting to contrast and saline syringes.
Compliance Date: YYYY.MM.DD			Observations / Comments:
			MRT maintains sterility of connections when removing luer lock caps from multi-patient tubing set and connecting <u>short end</u> to contrast and <u>long end</u> to saline vented transfer sets
Compliance Date: YYYY.MM.DD			Observations / Comments:
		DPS 4.4.4	MRT inspects contrast bottle for right product, expiration date, color, clarity and foreign bodies.
Compliance Date: YYYY.MM.DD			Observations / Comments:
		5.2.8	MRT removes cap from contrast bottle and disinfects the rubber membrane with a 70% isopropyl alcohol swab using a friction rub technique, then inspects to ensure it is completely dry.
Compliance Date: YYYY.MM.DD			Observations / Comments:
		2.5 5.2.18	MRT maintains sterility of contrast spike when removing cap from contrast vented transfer set.

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Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.9	MRT fully inserts spike at a 90 degree angle into the center of the rubber membrane of the contrast bottle. Note: Contrast bottles must only ever be spiked once
Compliance Date: YYYY.MM.DD		Observations / Comments:
	DPS 4.4.4	MRT inspects saline bag for correct product, expiration date, color and clarity.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	2.5 5.2.10	MRT maintains sterility of saline bag port when removing rubber cap.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	2.5 5.2.18	MRT maintains sterility of saline spike when removing cap from saline vented transfer set.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.11	MRT fully inserts spike into saline bag port.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	2.5 5.2.18	MRT maintains sterility of connection when attaching single use coiled extension set with 2 back check valves to Multi-Patient Tubing Set (MPTS).
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.14 5.2.15	MRT fills contrast and saline syringes with prescribed volumes with injector head and syringes pointing up.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.16	MRT expels all residual air bubbles from the syringes, transfer set and coiled extension tubing with injector pump pointing up. Note: Do NOT apply blunt force using a hand or object to remove air bubbles.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.17	MRT drapes or hooks coiled extension tubing with male luer lock cap on until ready to be connected to the patient, ensuring sterility of the tubing is maintained.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.17	MRT tips injector head and syringes pointing down.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.17	MRT activates "Check for Air" button on the injector head.
Compliance Date: YYYY.MM.DD		Observations / Comments:
	5.2.19	MRT clearly labels: 1. contrast container with start and end use time to validate 8 hour use. 2. syringes with set-up and expiration time and initials to validate 12 hour use
Compliance Date: YYYY.MM.DD		Observations / Comments:

X

Signature of Technologist (after form reviewed with auditor)

Date



ABCD-21-06-90176

MEDICAL IMAGING

Record of training, performance evaluation, and authorization to Multidose

_____ has read and understands the *Multi-dosing with Injector Pumps Procedure* for Bayer 12 Hour Syringe System. Through training and performance evaluation this user has been deemed authorized to multi-dose.

User Signature

Signature of Trainer / Evaluator

Date of Training: _____

Date of Authorization: _____

COPY TO: Medical Imaging Site Coordinator or Modality Supervisor responsible for Multi-dosing