

TECHNICAL BULLETIN

ON-Q* PUMP WITH SELECT-A-FLOW* VARIABLE RATE CONTROLLER DRUG DOSING INFORMATION

The information provided herein is based on Avanos Medical review of published medical literature and is intended for reference only. It is not to be construed as a specific recommendation of Avanos Medical. Always refer to the drug manufacturer’s prescribing information and ON-Q* Instructions For Use for full instructions on using the ON-Q* Pain Relief System.

Introduction: ON-Q* Pump with Select-A-Flow* Variable Rate Controller incorporates a controller that allows the user to adjust the infusion rate by turning the rate-changing key on the device. The flow rate is within a predetermined range and is designated on each device.

This chart should be used as a reference only to allow physicians to make appropriate drug dosage decisions; it does not replace specific instructions from clinicians with experience and additional information about administering these drugs. Drug doses are approximate and based on nominal specifications. Follow hospital protocols for filling pump.

ON-Q* Pump with Select-A-Flow* 24-hour dosing (mg) Cross Reference Chart

Reference is based on maximum dosing of 7 or 14 ml/hr.

Select-A-Flow* Model	Drug Concentration		
	0.2%	0.25%	0.5%
7 ml/hr Max Flow Rate	336 mg	420 mg	840 mg
14 ml/hr Max Flow Rate	672 mg	840 mg	1680 mg

Calculations based on nominal flow rate. Flow rate may vary by ± 20%. See ON-Q* with Select-A-Flow* Instructions for Use for additional factors that may affect flow rate.

Formula: ml/hr x % drug concentration x 10 x 24 hr = 24-hour dose (mg)

WARNINGS

- Reference is based on maximum dosing of 7 or 14 ml/hr. Flow rate is adjustable from 1-7 or 2-14 ml/hr.

To reduce potential adverse effects, medication dosing should be based on the maximum flow rate. The amount of medication over the therapeutic period and delivery time can vary by as much as 20% due to flow rate variation. Please take this variance into consideration when determining medication delivery to reduce potential adverse effects.

- Dial must be aligned with number and ▼ to ensure accurate flow rate. Do not dial between numbers.
- It is up to the physician to determine which patients are most appropriate for this device and ensure that patients are properly instructed on its use.
- 24-hour dose (mg) is calculated by filling ON-Q* pump to the labeled NOMINAL volume. Filling the pump less than nominal increases the flow rate and increases the dose delivered in 24 hours.
- Additional bolus or loading dose should be added to the calculation.

⚠ CAUTIONS

- Refer to the drug manufacturer's package insert for complete prescribing information. Physician is responsible for prescribing drug based on each patient's clinical status (such as age, body weight, disease state of patient, concomitant medication(s)).
- The Select-A-Flow* device should be worn outside clothing and kept at room temperature. Temperature will affect solution viscosity, resulting in faster or slower flow rate. Select-A-Flow* has been calibrated using Normal Saline (NS) as the diluent and room temperature (22° C, 72° F) as the operating environment. Flow rate will increase approximately 1.4% per 1° F/0.6° C increase in temperature and will decrease approximately 1.4% per 1° F/0.6° C decrease in temperature.
- Referenced local anesthetics are without epinephrine. Vasoconstrictors such as epinephrine are not recommended for continuous infusions.

⚠ Medication dosage should be based on the maximum flow rate. Pump is preset at either 7 ml/hr or 14 ml/hr depending on model.

There are inherent risks in all medical devices. Please refer to the product labeling for **Indications, Cautions, Warnings and Contraindications**. Failure to follow the product labeling could directly impact patient safety. Physician is responsible for prescribing and administering medications per instructions provided by the drug manufacturer. Refer to www.avanospainmanagement.com for additional product safety **Technical Bulletins**.

Please contact the Clinical Services Department at **800-444-2728** or **949-923-2400** if you have any questions regarding this information.

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