



MRidium™
MRI Infusion System



The first and only non-magnetic infusion pump



The MRidium MRI Infusion System carries the current FDA labeling criteria developed by the American Society for Testing and Materials (ASTM).³

MRidium MRI Infusion System Delivers in the MR Suite

CLINICAL CHALLENGES IN THE MR SUITE

More than 60 million Magnetic Resonance Imaging (MRI) procedures are performed annually worldwide.¹ However, its widespread use as a diagnostic tool belies the potential safety risks and clinical challenges it poses to both patients and healthcare professionals.²

Severe projectile injury or even death may result when medical devices that are not suitable for use in the MR suite or other metal-containing objects are drawn into the magnet at missile-like speeds. Of equal concern are image artifacts that may compromise diagnostic accuracy or even require a new MRI procedure be done to confirm diagnostic uncertainties.

The operational integrity of infusion devices can also be compromised by magnetic fields found within the MRI suite, and may result in drug dosing inaccuracies.

Long-tubing workarounds, while seemingly benign, often result in extended set-up times that may impact throughput in the MR suite.

THE MRidium MRI INFUSION SYSTEM

The first and only non-magnetic infusion pump

- FDA-cleared to work at the 10,000 Gauss Line with up to 3.0 Tesla-strength magnets
- May be positioned immediately next to the patient, minimizing the need for long-tubing workarounds
- Provides proven solutions to help clinicians overcome challenges in the administration of critical medications and anesthesia during MRI procedures
- Wireless remote allows easy operation from the control room, although it cannot be used in the MR suite





MRidium MRI Infusion System Delivers for Anesthesia



MRidium MRI Infusion System Delivers for Critical Medications

"The MRidium is a state-of-the-art IV pump in the MRI environment. It's accurate, easy to use and has preprogrammed drug libraries—all of which make it appropriate for the delivery of an intravenous sedative or general anesthetic."

Keira P. Mason, M.D.
Director of Radiology Anesthesia
Boston Children's Hospital



MRidium Wireless Remote Control

CLINICAL CHALLENGES

The delivery of pediatric and adult anesthesia during MRI procedures requires that drug infusion parameters be closely monitored, quickly and easily adjusted to minimize or eliminate interruptions, and allow for fast and efficient patient set-up.

THE MRidium SOLUTION

The innovative features of the MRidium MRI Infusion System expertly address anesthesia challenges within the MR suite.

Remote Control

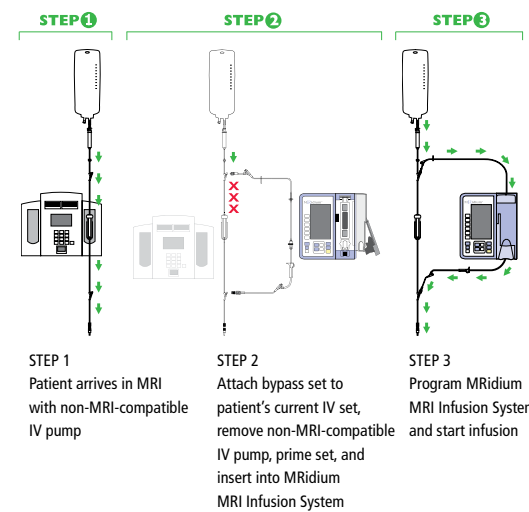
The optional wireless remote control gives clinicians the freedom to operate the system from a control room—outside the MR suite. The remote control can be used to monitor and control all dosing parameters, including titration of patient medications.

Preprogrammed Drug Library

A preprogrammed library of drugs commonly used for sedation in the MR suite is included, along with an integrated dose calculator to aid in accurate and efficient programming of the pump.

Vented Syringe Infusion Set

The MRidium syringe infusion set, utilizing a vented syringe adapter and microbore tubing, regulates drug flow from the syringe into the IV tubing for uniform drug delivery with minimal waste.



MRidium Bypass Infusion Set



MRidium shown with Sidecar Channel B

CLINICAL CHALLENGES

The delivery of critical medications during MRI procedures increasingly requires simultaneous infusion of multiple medications, that there be minimal connection and disconnection from the patient's IV site, and that patient set-up be fast and efficient.

THE MRidium SOLUTION

The innovative features of the MRidium MRI Infusion System expertly address critical medication challenges within the MR suite.

Second-Channel Sidecar

The second-channel sidecar module allows critically ill patients to remain on one or two IV medications, before, during, and after a MRI procedure. Continuous infusion facilitates uniform drug delivery throughout the procedure. Each channel can deliver medications via syringe, bag, or bottle, based on clinician needs.

Bypass Infusion Set

The unique bypass infusion set provides a quick and easy means of switching from a hospital pump to the MRidium system without disconnecting the IV from the patient. The bypass set minimizes the need for long-tubing workarounds that may affect the delivery of patient medications.

Remote Control

The optional wireless remote control gives clinicians the freedom to operate the system from a control room—outside the MR suite. The remote control can be used to monitor and control all dosing parameters, including titration of patient medications.