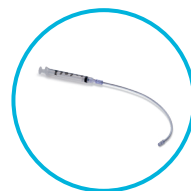




MAD[®]
Atomization Portfolio



MAD Nasal™

Intranasal Mucosal Atomization Device*

The safe and painless way to deliver medications*

- The soft, conical plug on the tip is designed to form a seal with the nostril, preventing expulsion of fluid
- The spray atomizes drugs into a fine mist of particles 30 – 100 microns in size

Rapid absorption¹

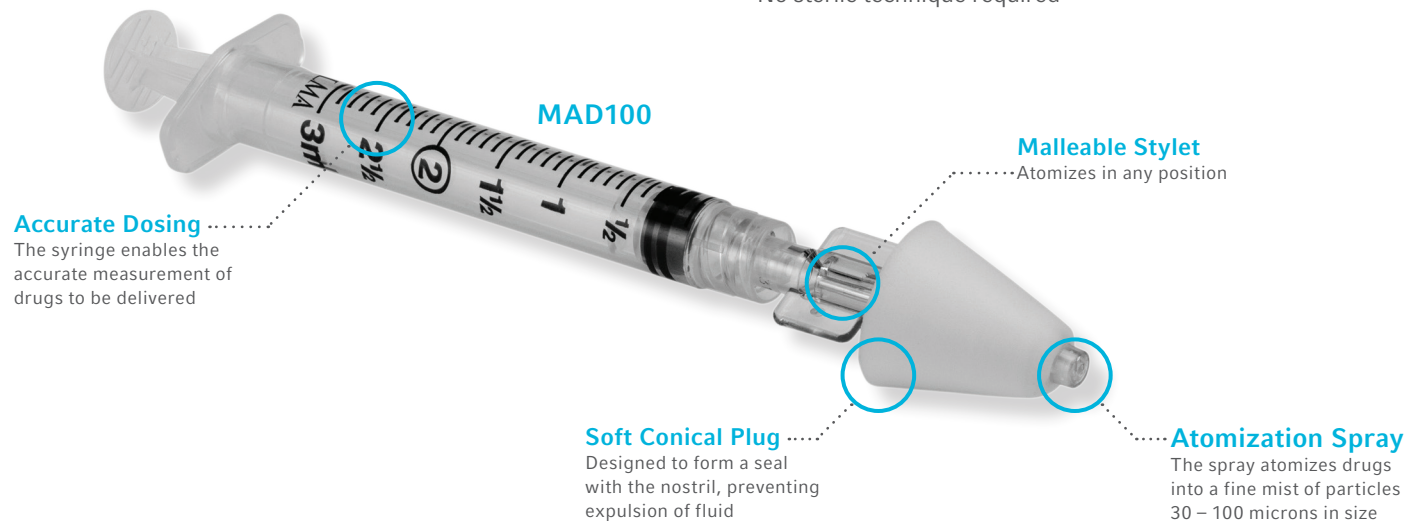
- Atomized nasal medications allow rapid absorption across mucosal membranes into the bloodstream, avoiding first-pass metabolism²

Patient comfort

- Non-invasive and needle free

Controlled administration

- Simple delivery system — appropriate for both ALS and BLS
- Atomizes in any position
- No sterile technique required



MAD Nasal™ Intranasal Mucosal Atomization Device Specifications

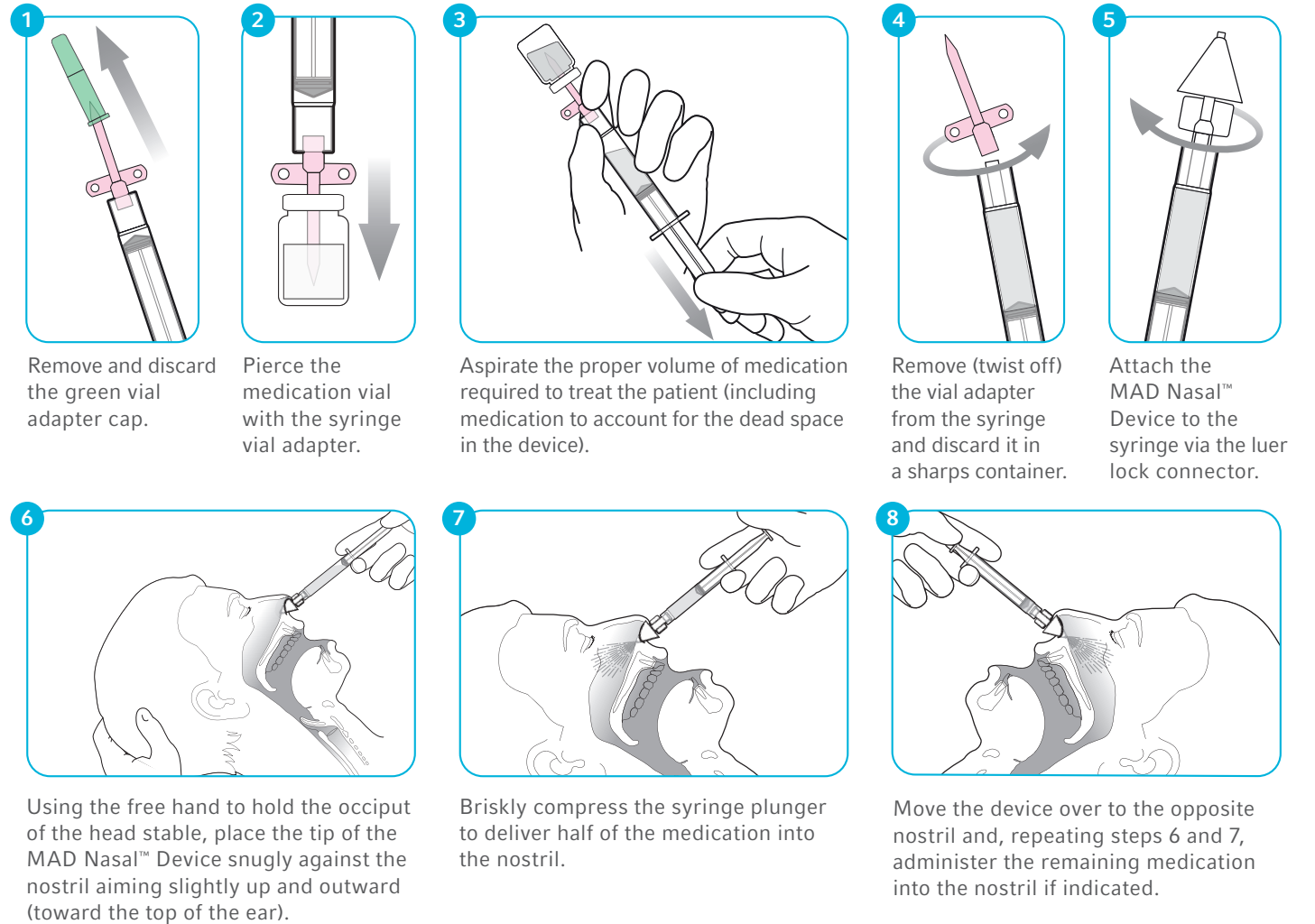
Typical Particle Size	30 – 100 microns
System Dead Space	MAD100/MAD110/MAD130/MAD140 = 0.15 mL MAD1400S = 0.16 mL MAD300 = 0.06 mL
Tip Diameter	0.17 inches (4.3 mm)

MAD Nasal™ Intranasal Mucosal Atomization Device

ITEM NUMBER	PRODUCT DESCRIPTION	QTY/BOX
MAD100	MAD Nasal™ Device with 3 mL Syringe	25
MAD110	MAD Nasal™ Device with 1 mL Syringe	25
MAD130	MAD Nasal™ Device with 1 mL Syringe and Vial Adapter	25
MAD140	MAD Nasal™ Device with 3 mL Syringe and Vial Adapter	25
MAD1400S	MAD Nasal™ Device with 3 mL Oral Syringe and Vial Adapter	25
MAD300	MAD Nasal™ Device without Syringe	25

*For use with drugs approved for intranasal delivery

Using the MAD Nasal™ Device



Tips to Improve Success

1. Minimize volume, maximize concentration

- Use the appropriately concentrated drug
- Follow drug manufacturer directions

2. Maximize total mucosal absorptive surface area

- Atomize the drug (rather than drip it in) to cover broad surface area
- Use BOTH nostrils to double the absorptive surface area
- Aim slightly up and outwards to cover the turbinates and olfactory mucosa

3. Beware of abnormal mucosal characteristics

- Mucus, blood and vasoconstrictors may reduce absorption²
- Suction nostrils or consider alternate drug delivery method in these situations

See IFU for complete instructions

To place an order, please contact Teleflex Customer Service at:
1.866.246.6990 or cs@teleflex.com

MADgic®

Laryngo-Tracheal Mucosal Atomization Device*

A versatile choice to administer medication*

- Consistent, fine atomized spray for direct coverage of nose, pharynx, larynx and trachea
- Long, narrow stylet is designed to be gently curved and flexible, allowing it to reach a patient's vocal cords for targeted coverage
- Adapts to any luer-lock syringe
- Available in adult and pediatric sizes

Rapid absorption¹

- Atomizes drugs into a fine mist
- Delivers particles at optimal size for rapid mucosal absorption¹

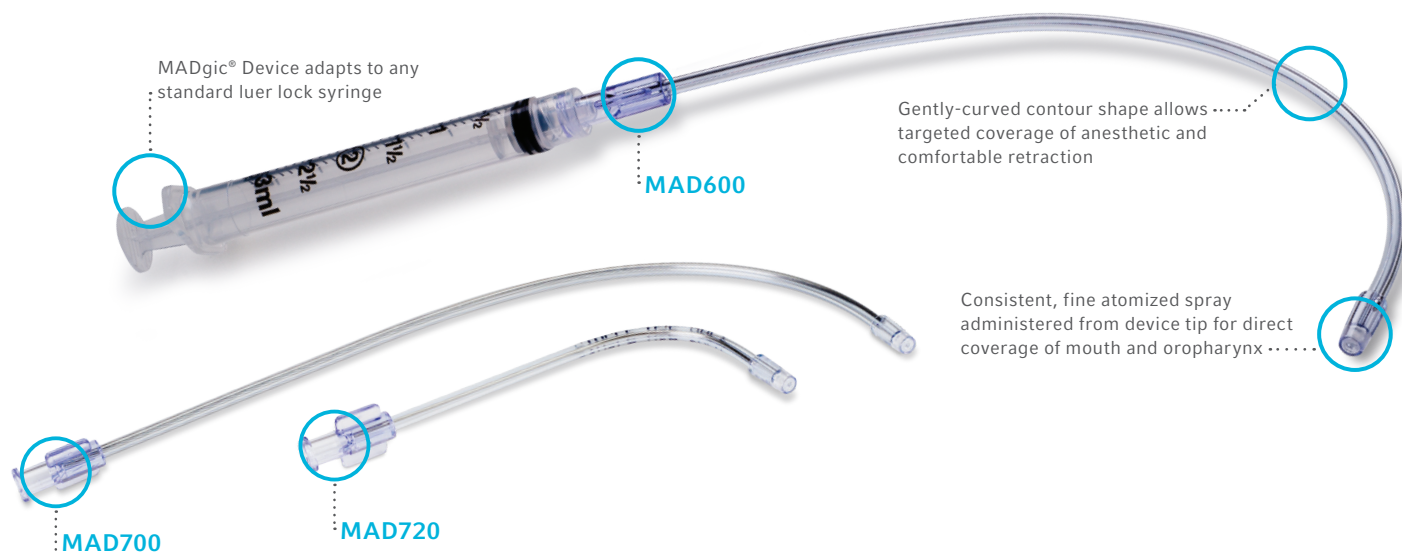
Reduced cough

- In procedures where a cough upon emergence can cause adverse events, application of topical lidocaine on the laryngotracheal region has been shown to provide a smooth emergence from general anesthesia with reduced coughing³

Patient comfort

Adequate topical anesthesia has been shown to:

- Enhance patient comfort⁴
- Facilitate patient compliance⁴



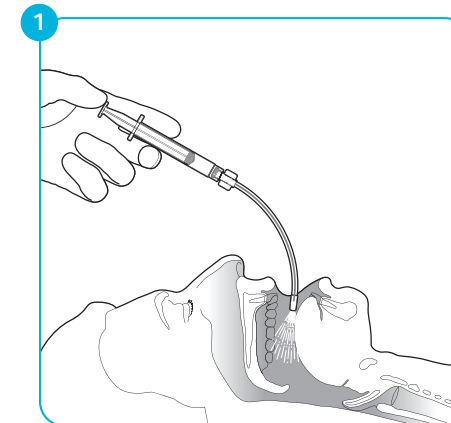
MADgic® Device Specifications		
Typical Particle Size	30 – 100 microns	
System dead space	0.13 mL MAD720 / 0.25 mL MAD600 / 0.19 mL MAD700	
Tip Diameter	0.18 inches (4.6 mm)	
Applicator Length	4.5 inches (11.4 cm) MAD720 / 8.5 inches (21.6 cm) MAD600 and MAD700	

MADgic® Laryngo-Tracheal Mucosal Atomization Device

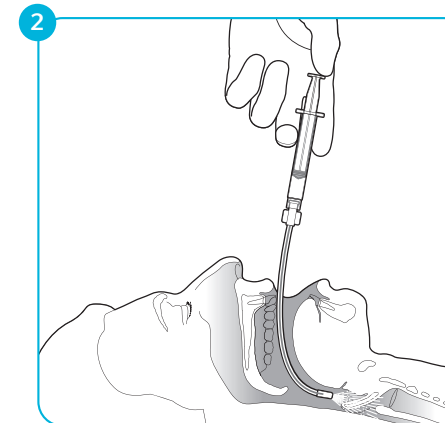
ITEM NUMBER	PRODUCT DESCRIPTION	QTY/BOX
MAD600	MADgic® Device with 3 mL Syringe	25
MAD700	MADgic® Device without 3 mL Syringe	25
MAD720	MADgic® Pediatric Device without 3 mL Syringe	25

*For use with drugs approved for intranasal and oropharyngeal delivery

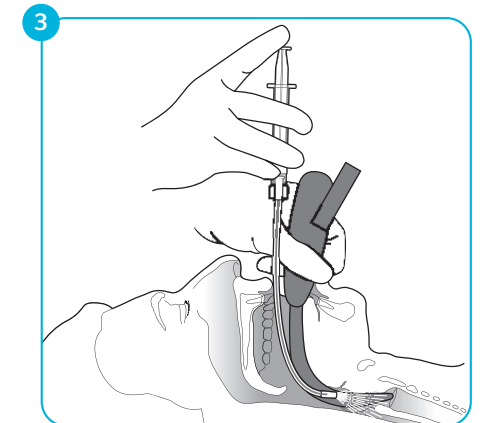
Using the MADgic® Device



1 Atomize topical anesthetic into nose/mouth/throat using the MADgic® Device.



2 Bend the MADgic® stylet into a 90° curve, slip past tongue and atomize additional anesthetic into glottic area.



3 Position patient for intubation, atomize anesthetic onto vocal cords. Proceed to intubate as desired.

See IFU for complete instructions



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MADomizer®

Bottle Atomizer*

A simple, effective delivery system for medications*

- For use with topical anesthetics, vasoconstrictors, and other nasal or oral medications
- Consistent, fine atomized spray (approximately 30 – 100 microns)

Rapid absorption¹

- Atomized particles dispersed across a broad area of the nasal mucosa are the ideal size for rapid absorption of medication

Reduced risk of cross-contamination

Unique pump design and disposable applicator tip reduces the risk of patient cross-contamination that can occur with conventional atomizers⁵

- Features a positive displacement pump with unidirectional flow



MADomizer® Device Specifications

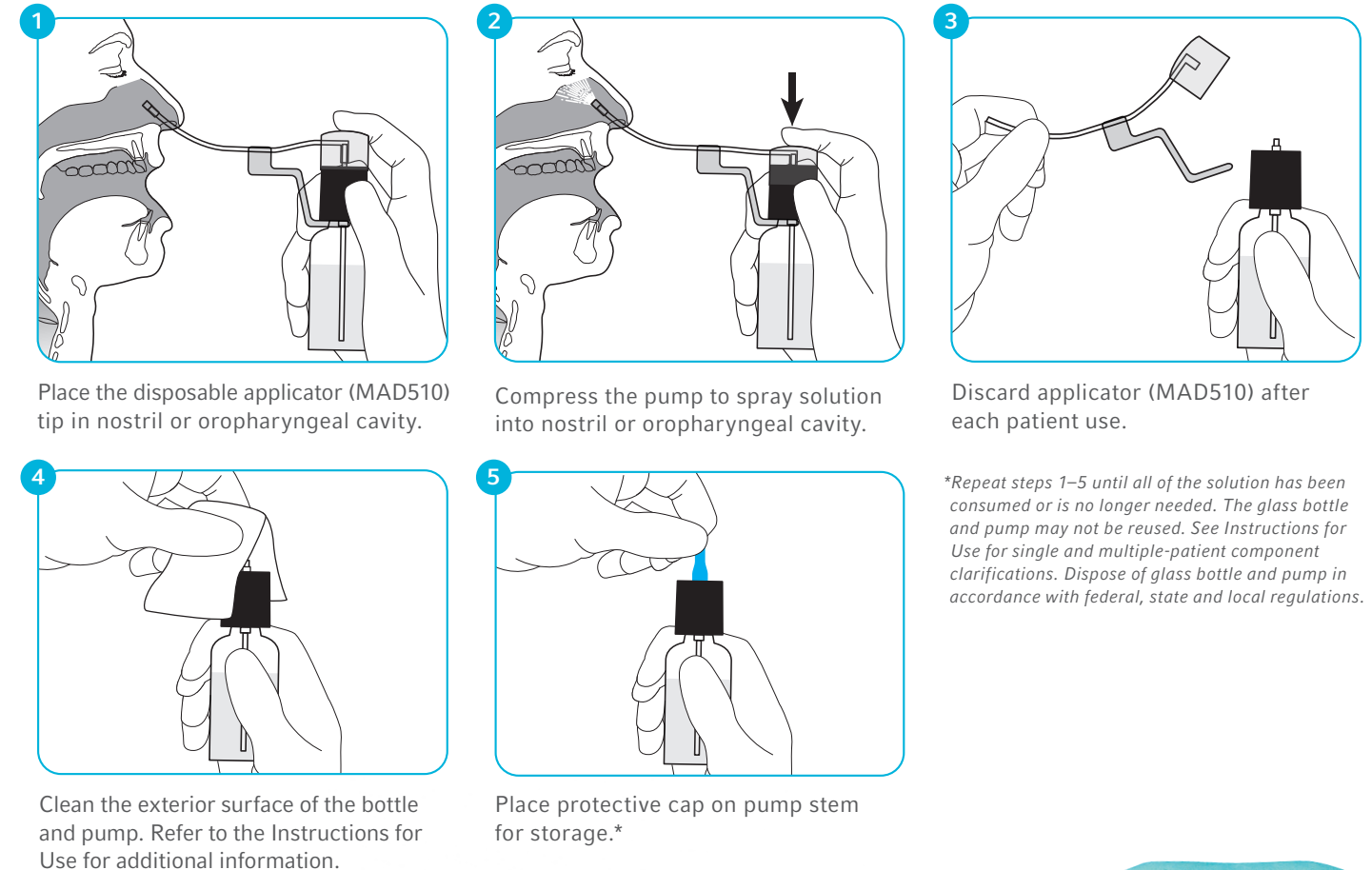
Typical Particle Size	30 – 100 microns
Spray Volume	0.1 mL / spray
Tip Diameter	0.19 inches (4.82 mm)
Applicator Length	4.75 inches (12.10 cm) end of tip to end of thumb landing / 2.25 inches (5.70 cm) end of tip to end of clip
Bottle Volume	20 mL

MADomizer® Bottle Atomizer Device Ordering

ITEM NUMBER	PRODUCT DESCRIPTION	QTY/BOX
MAD500	MADomizer® Bottle Atomizer Device	5
MAD510	MADomizer® Disposable Tip	50
MAD515	MADomizer® Pull Tab Cap	20
MAD520	MADomizer® Replacement Bottle Clip	5

*For use with drugs approved for intranasal and oropharyngeal delivery.

Using the MADomizer® Device



*Repeat steps 1–5 until all of the solution has been consumed or is no longer needed. The glass bottle and pump may not be reused. See Instructions for Use for single and multiple-patient component clarifications. Dispose of glass bottle and pump in accordance with federal, state and local regulations.

See IFU for complete instructions



To place an order, please contact Teleflex Customer Service at: 1.866.246.6990 or cs@teleflex.com

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References:

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