



NEW! NasalNeb™

Intra-Nasal Aerosol Delivery System

**** FDA 510(k) CLEARED ****

Kit Includes:

- Three reusable RediNeb® nebulizers
- Valved manifold for breath-enhancement
- Nasal mask
- Drying stand
- Convenient storage & cleaning container
- HEPA filter

Key Benefits:

- Accepted additional treatment option for patients who have not responded to oral or intravenous treatment⁴
- 85% of particles delivered are an optimal 5µm or less
- FDA cleared for upper airway aerosol delivery
- Dishwasher safe
- Lightweight
- Easy to use

Aerosol therapy has been used effectively to treat upper airway conditions (such as chronic sinusitis¹ and rhinitis²) and for pain management³.

Healthline Medical's newest breakthrough device, the NasalNeb™ incorporates a miniaturized nebulizer, which is readily removable from its valved manifold for quick and easy cleaning. Rather than releasing aerosolized drug beneath the patient's nose and into the surrounding environment, NasalNeb™'s nasal mask makes virtually all of the nebulized drug available for nasal inhalation. This assures an adequate dose in an extremely short period of time. The system also includes a HEPA filter which prevents drugs and odors from entering the surrounding atmosphere, thereby protecting the environment and caregivers.



4610 Littlejohn St.
Baldwin Park, CA 91706

Office: (626) 851-9616
Toll Free: (877) 626-2626
Fax: (626) 960-8700
www.healthlinemed.com

¹Laube, B.L. 2007. Devices for aerosol delivery to treat sinusitis. *Journal of Aerosol Medicine*. 20(s1):S5-S18

²Harding, S.M., Heath, S. 2006. Intranasal steroid aerosol in perennial rhinitis: comparison with an antihistamine compound. *Clinical & Experimental Allergy*. 6:369-372

³Stein, W.M., Min, Y.K.. 1997. Nebulized morphine for paroxysmal cough and dyspnea in a nursing home resident with metastatic cancer. *American Journal of Hospice & Palliative Care*. 14:52-56

⁴Sato, Y. 1988. A review of aerosol therapy in otorhinolaryngology. *Journal of Aerosol Medicine*. Vol. 1, No. 2, 133-145

NasalNeb™

Intra-Nasal Aerosol Delivery System

AEROSOL CHARACTERISTICS

NasalNeb™ Key Technical Info¹

Particle Size (MMAD):	1.5 µm
Aerosol Generation Rate (AGR), Static:	0.23 ml/min
Aerosol Generation Rate (AGR), Enhanced:	0.42 ml/min
Percentage Under 5 µm:	85%
Average Treatment Time:	2 - 4 Minutes
Percentage of Exhaled Particles Filtered:	99.998%

Due to breath-enhancement and closed system technology, treatment time is approximately half that of competitive devices.

Particle size is an important factor in the deposition of aerosol in the upper airway. Particles <5µm are the optimal size to deposit into the paranasal sinus and the nasal mucosa in sufficient concentration.² Healthline's NasalNeb™ delivers 85% of particles less than <5µm¹ and is the only other FDA cleared device for upper airway aerosol delivery.

ORDERING INFORMATION

PART #	DESCRIPTION*	CASE LOT
MR-502DHN08	NasalNeb™ Kit. Includes adult portless nasal mask, 3 HEPA filters, three 3mL RediNeb medication nebulizers, 7' oxygen tubing, cleaning/storage container & stand.	12
MR-502CHN08	NasalNeb™ Kit w/Compressor. Includes adult portless nasal mask, compressor, 3 HEPA filters, three 3mL RediNeb medication nebulizers, 7' oxygen tubing, cleaning/storage container & stand.	12

* Pediatric size available: MR-502DHN00 (without compressor) and MR-502CHN00 (with compressor)

¹AGR measured using Mettler Model H-6 Micro-balance, flow rate 6-8 lpm, 3ml normal saline, 0.9% NaCl; MMAD measured using Cascade impaction

²Wahl, K.J., Otsuji, A. New medical management techniques for acute exacerbations of chronic rhinosinusitis. Current Opinion in Otolaryngology & Head and Neck Surgery 2003, 11:27-32