

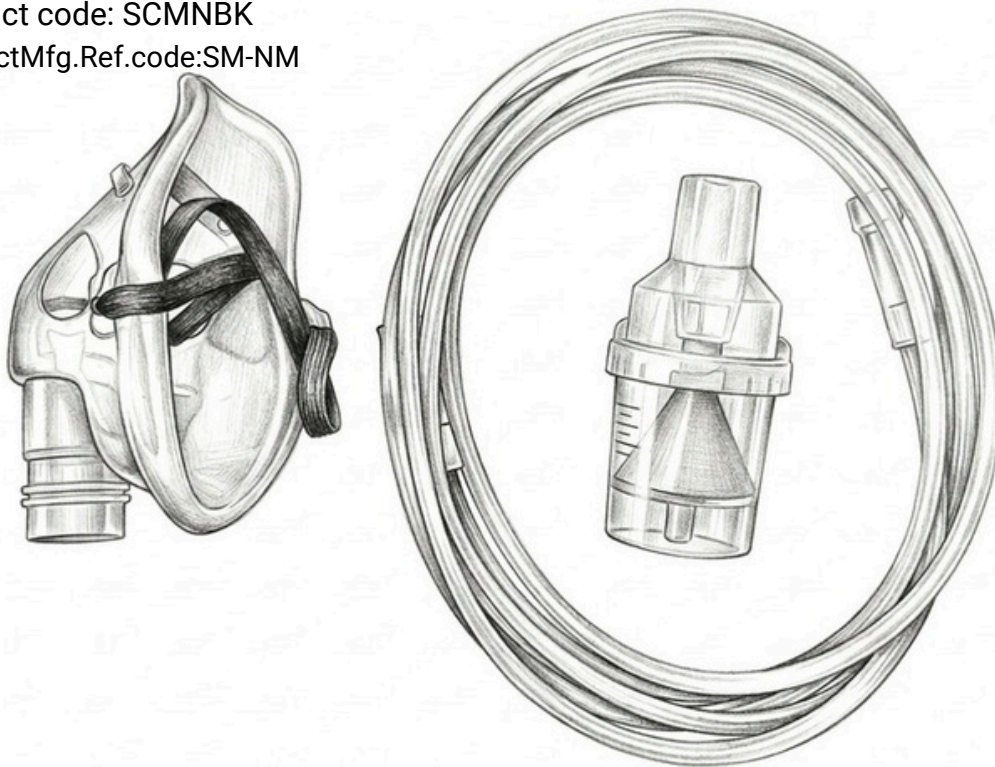
## SICHMIST™

Generic name: Nebulizer Kit

Brand name: SICHMIST

Product code: SCMNBK

ProductMfg.Ref.code:SM-NM



SICHMIST is a medical device used to deliver aerosolized medication directly to the lungs. It fits over the nose and mouth, converting liquid medicine into a fine mist that can be easily inhaled.

SICHMIST is widely used for the treatment of patients suffering from various respiratory diseases, such as chronic obstructive pulmonary disease (COPD) and emphysema. Additionally, in emergency situations, SICHMIST is administered to relieve acute symptoms, such as shortness of breath and lowered oxygen saturation. It is also commonly administered throughout the hospital setting, such as in the operating room during surgery, during post-operative recovery, and in intensive care units for critically ill patients. It enhances mucociliary clearance, thereby optimizing respiratory function and alleviating symptoms.

### Components:

- Face mask: Made of soft, medical-grade PVC. Designed to fit comfortably over the nose and mouth. Available in adult and pediatric sizes.
- Nebulizer chamber: Holds liquid medication with a 2–10 ml capacity. Converts liquid into aerosol using compressed air or oxygen.
- Tubing: Flexible, kink-resistant tubing. Standard length is 2 meters.
- Elastic strap: Adjustable for secure fit around the head.

Variants available: Nebulizer Kit (Adult) and Pediatric Specifications:

Parameter	Specification
Material	Medical grade PVC
Mask type	Adult/ Pediatric
Tube length	2 meters
Chamber capacity	2-10ml
Sterility	EO sterility option
Usage	Single use

## Instructions For Use

### Before using SICHMIST

- Perform hand hygiene.
- Wash hands with warm, soapy water. Dry thoroughly; put on gloves and aprons.
- Apply clean gloves.

### While using SICHMIST

- Place the prescribed medication into the nebulizer jar. and snap the lid.
- Connect one end of the supply tubing to the small stem at the bottom of the nebulizer and other end to the desired pressure source
- Attach the nebulizer to the mask inlet.
- Set the oxygen flow to 5–6 L/min and check for flow through the device.
- Place the mask on the patient’s face with the elastic strap below the ears and around the neck.
- Gently pull the ends of the strap until the mask is secure.
- Shape the metal strap on the mask to fit the nose.

### After using SICHMIST

- Perform hand hygiene.
- Disconnect the mask from the supply source.
- Remove the device from the patient's face.
- Remove gloves, place the patient in a comfortable position, and assess the patient’s level of comfort.
- Perform hand hygiene.

### Procedure for safe disposal of SCHMIST after use

After use, this product may be a potential biohazard. Handle and dispose of it in accordance with accepted medical practice and applicable local laws and regulations.

## Warnings

- Reuse can be associated with cross-infection, device malfunction, and reactions to endotoxins, as sterilization will not inactivate toxins produced by the breakdown of gram-negative bacteria even if the bacteria are killed.
- Hypersensitivity reactions: patients with known hypersensitivity to medications or components of the SCHMIST may experience allergic reactions, including rash, itching, swelling, or difficulty breathing. Immediate discontinuation of treatment and medical intervention may be necessary.
- Infection risk: Improper cleaning and disinfection of SCHMIST and equipment can lead to microbial contamination, potentially causing respiratory infections such as pneumonia. Strict adherence to recommended cleaning protocols and use of sterile techniques are essential to minimize infection risk.
- Airway irritation: Nebulized medications may cause airway irritation, resulting in coughing, throat irritation, or bronchospasm, particularly in patients with sensitive airways or underlying respiratory conditions.
- Equipment malfunction: malfunction or improper assembly of nebulizer equipment may lead to inadequate drug delivery or aerosolization, compromising treatment efficacy. Regular maintenance, calibration, and inspection of equipment are necessary to ensure proper function.
- Pediatric and geriatric considerations: special caution is required when administering nebulizer treatments to pediatric and geriatric patients due to variations in airway anatomy, medication dosage requirements, and potential for reduced tolerance to respiratory therapies.

## Contraindications

- Abnormalities or surgery of the face, nose, or mouth that preclude an appropriately fitting SCHMIST mask.
- Blocked nasal passages.
- All patients with unfavorable ventilation response to oxygen treatment. In case of non-effective O<sub>2</sub> treatment mechanical ventilation must be turned on as well as in all cases with patients in respiratory coma.
- Not to be used in patients with hypersensitivity to any of the materials used.
- This mask may not be suitable for patients at risk of reflux of gastric contents.
- Supervision is recommended if the patient has a reduced level of consciousness or is unable to remove the mask.

## Precautions

- Ensure that all connections are secure.
- Do not use it if the package is open or damaged.
- Discard after single use.