

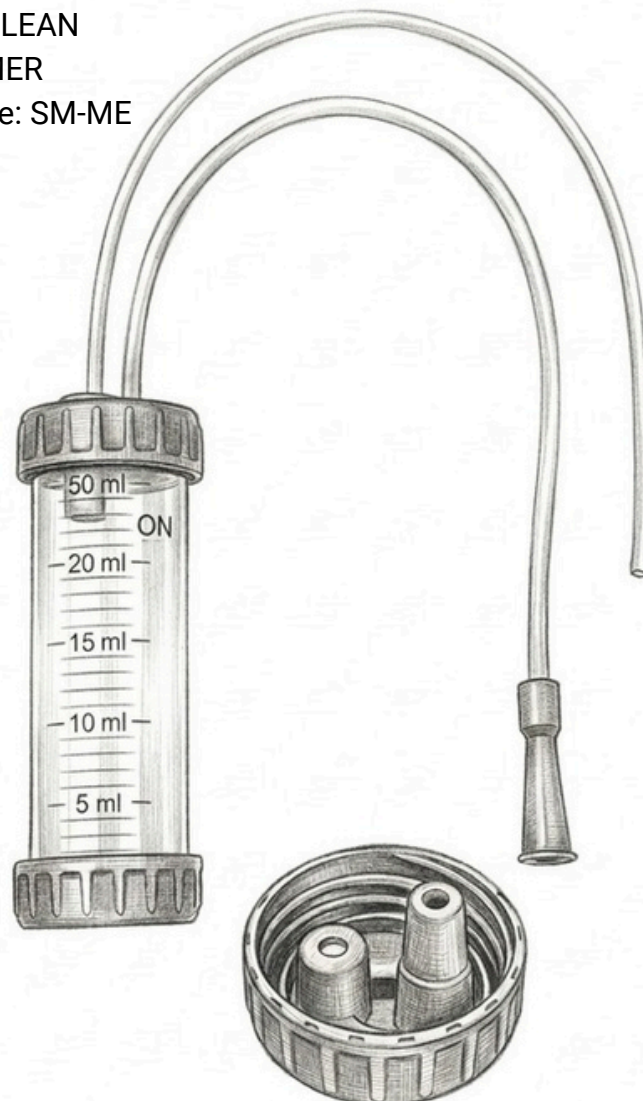
SPIRACLEAN™

Generic name: Mucus extractor

Brand name: SPIRACLEAN

Product code: SCMMER

Product Mfg Ref code: SM-ME



SPIRACLEAN is a sterile, single-use device designed for extracting mucus and other secretions from the respiratory tract of patients, particularly neonates and infants. In neonatal care, SPIRACLEAN is employed primarily to manage and alleviate respiratory distress caused by mucus accumulation in newborn babies, particularly in cases of meconium aspiration syndrome, transient tachypnoea of the newborn, respiratory distress syndrome, and other respiratory conditions where mucus obstructs the airways. SPIRACLEAN serves to clear the upper respiratory tract of secretions that impede breathing, thereby improving oxygenation and respiratory function critical for neonatal health.

SPIRACLEAN is essential in neonatology due to infants' anatomical and physiological characteristics that predispose them to respiratory compromise from mucus retention, necessitating prompt and effective intervention to prevent complications such as hypoxia and respiratory failure. SPIRACLEAN can be manually operated by an oral mouthpiece or connected to a mechanical suction machine.

Components:

- Catheter (Tube) The catheter tube in SPIRACLEAN is used to suction and remove mucus from a patient's airways to improve respiratory function and comfort.
- Collection chamber: Transparent for visual assessment of the mucus.
- Lid/cap: Secure-fitting to prevent leakage.
- Connector: Includes a universal connector to fit various types of suction equipment.

Specifications:

Sizes available	6Fr, 8Fr, 10Fr, 12Fr, 14Fr
Material (chamber)	Medical grade PP
Material (tube)	Medical grade PVC
Chamber capacity	25ml, 40 ml
Tube length	30-50cm

Quick User Guide

Preparation:

- Wash your hands thoroughly.
- Open the sterile packaging and ensure the collection chamber (bottle) is intact and the lid is securely attached.
- Select the correct catheter size based on the patient (e.g., smaller for neonates).

Positioning:

- Infants: Lay them on their back with the head slightly extended (tilt back).
- Adults: Position them semi-upright or lying comfortably on their back.

Applying Suction:

- Oral/Manual: Place the mouthpiece in your mouth and the suction catheter into the patient's nostril or mouth. Gently suck to draw mucus into the container.
- Mechanical: Connect the extractor to a suction machine. Set the pressure (typically between 80–200 mm/Hg for adults, lower for infants).

Insertion & Extraction:

- Gently insert the catheter into the nose or mouth. Do not force it.
- Apply suction only when the tube is in place, and withdraw it slowly while rotating the catheter to collect secretions.

- Limit suctioning to no more than 10 seconds at a time to prevent oxygen deprivation or irritation.

Important Points For Use

- Place a finger length of clear tubing in the baby's mouth and suck for a few seconds, moving the tip around the mouth to clear secretions. If the baby cries and breathes normally, stop. If not, proceed with the next step.
- Remove clear tubing from baby's throat and mouth and place tip into one nostril and gently suck. Repeat with another nostril.

Procedure for safe disposal of SPIRACLEAN after use:

After use, SPIRACLEAN may be a potential biohazard. Handle and dispose of in accordance with accepted medical practice and applicable local, state, and federal laws and regulations.

Precautions

- Do not use it if the package is open or damaged.
- Discard after single use.
- Ensure that SPIRACLEAN catheter or device is sterile or properly disinfected before use to prevent introducing infections into the respiratory tract.
- Adjust the suction pressure (when using the machine) to the lowest effective level needed to clear mucus effectively. High suction pressures can cause tissue injury and discomfort.
- Use gentle and controlled suctioning technique to minimize trauma to the delicate mucosal tissues of the upper airways. Avoid excessive force or prolonged suctioning, which can lead to mucosal damage.