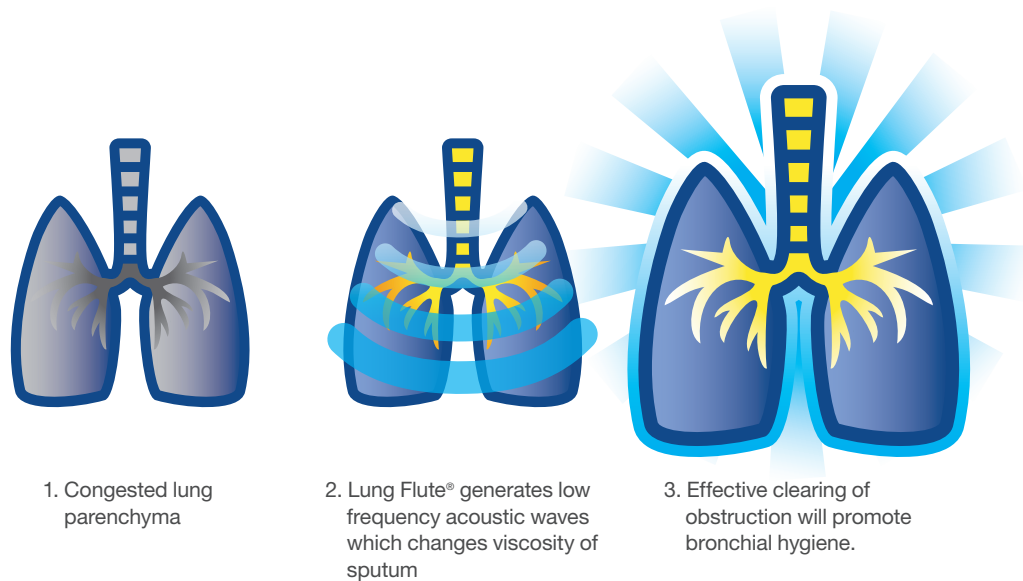


Proven Clinical Benefits

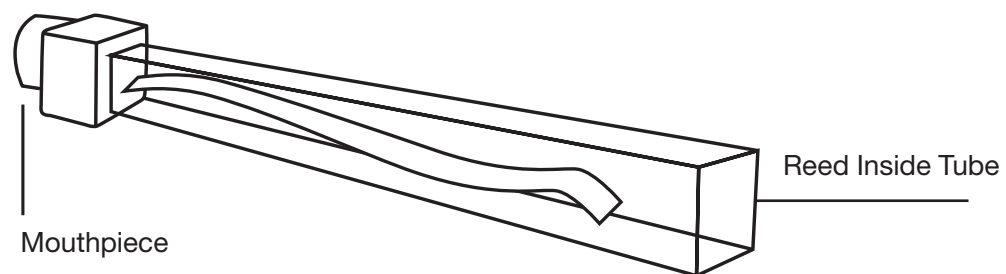
The Therapeutic Lung Flute® offers these advantages:

- Easy to use
- No adjustments
- Used twice daily, improves quality of life scores
- Increased mucociliary clearance
- Greater improvement in quality of life scores in COPD patients compared to conventional OPEP device



"Sound spectrum analysis shows the action of a low frequency acoustic wave as it produced a phase change in a viscous liquid, similar to changing gelatin into a liquid."

The Lung Flute® – Mucus Clearing Device



Products

- Product No. 1001-01 Diagnostic Lung Flute®
Secretion Mobilization
- Product No. 1002-01 Replacement Reed Kit (14 reeds)
- Product No. 1003-01 Lung Flute® for Home Care
Bronchial Hygiene Therapy
- Product No. 1004-01 Lung Flute® for Hospitals/Clinics
Dual-indicated for diagnostic and therapeutic secretion mobilization



640 Ellicott Street
Buffalo, NY 14203
(716) 218-7355

info@medicalacoustics.com
www.medicalacoustics.com

To order:
www.lungflute.com
or

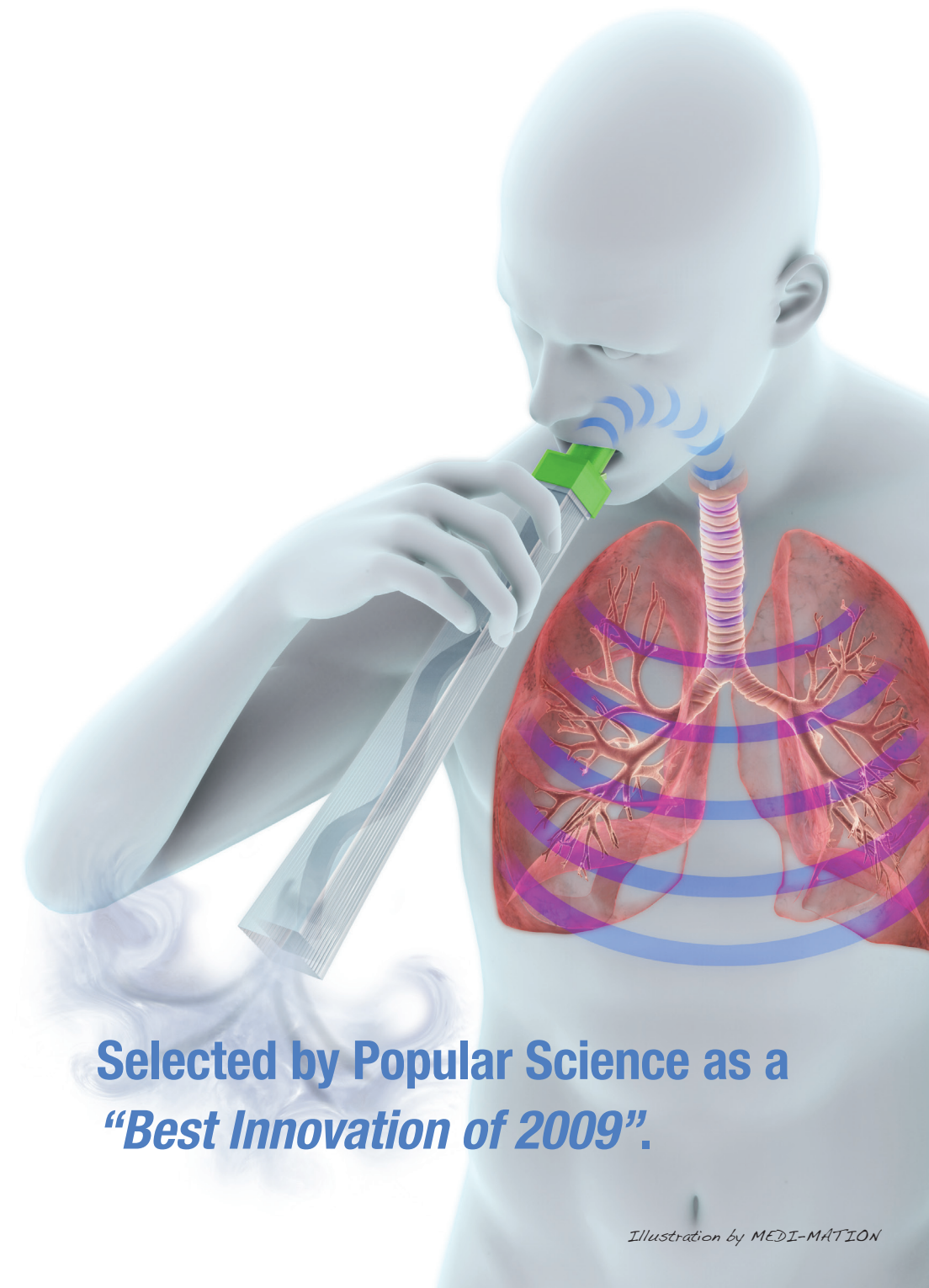
1-888-820-0970

This device requires a prescription from a physician to order.

Catalog Number – 2001-01 Lot 0003
Rev 2.0

THERAPEUTIC *lungflute*®

Fast, Reliable, Innovative Secretion Mobilization



**Selected by Popular Science as a
“Best Innovation of 2009”.**

Illustration by MEDI-MATION



Therapeutic Lung Flute®

The Therapeutic Lung Flute® is indicated for Positive Expiratory Pressure (PEP) Therapy. Clinically proven to be an effective method for Bronchial Hygiene Therapy.

Lung Flute® features include:

1. Simple hand-held device
2. Low pressure operation
3. Replaceable reeds
4. 510(k) FDA clearance
5. U.S. Patent No 6702769 & 6984214

Low Frequency Acoustic Waves Help Patients' Natural Mucus Clearing System

A low frequency wave is generated at the mouth by exhaling through a mouthpiece over a laminar surface (Reed) inside the Lung Flute®. The resulting low frequency acoustic wave that is produced travels retrograde into the lower airways and lung parenchyma and increases mucociliary clearance. Patients expel air with the force required to blow out a single candle. Multiple repetitions (up to 20) of a single two-breath pattern are performed with the device to complete a therapeutic session.

Clinical Results

In a recent clinical trial conducted at The WNY VA Medical Center by the University at Buffalo, School of Medicine, the performance of the Therapeutic Lung Flute® was compared to that of the market leader. In this 8-week trial, changes in 24-hour sputum collection was the primary endpoint. Secondary endpoints were changes in spirometry and quality of life.

The Lung Flute®

presents a safe,

effective, convenient

and rapid method of

secretion mobilization.

Changes in the quality of life questionnaires were noted for both devices. A larger reduction in symptoms was seen with the Lung Flute® with the CCQ. However, the differences between the two devices were not statistically significant. Disease related health status is an important efficacy end point in COPD. The Lung Flute® did show larger improvements in health status than the other device as measured by the SGRQ, though the difference did not reach statistical significance. Though dry sputum weight did not change, subjective benefit in health status and symptoms is seen with OPEP treatment in COPD.

The mechanism of action that results in clinical benefits of the Lung Flute® and the other device in COPD is presumed to be increased mucociliary clearance of tracheobronchial secretions. However, a limitation of this study was the absence of measurement of mucociliary clearance. The duration of the interventions was not long enough and the study was not large enough to determine if other parameters such as lung function and exacerbation frequency were impacted.

Mechanical means to improve mucus clearance in hypersecretory lung conditions including Oscillatory PEP devices, chest vibration and percussion and breathing techniques have not been tested systematically in stable COPD. This study demonstrates that Oscillatory PEP devices are of potential benefit in COPD patients with mucus hypersecretion. Further studies with the Lung Flute® should explore mechanisms and clinical benefit with longer-term use in COPD and other hypersecretory lung diseases.

The Lung Flute® was

selected by Popular Science

magazine for inclusion in the

magazine's Best of What's New

(BOWN) awards for 2009.

F R O S T & S U L L I V A N

North American Pulmonary Therapeutic
& Diagnostic Devices Excellence in
Technology of the Year Award

Testimonials

"After several hospitalizations, inhalation therapy and rounds of medicines these past years, the Lung Flute is the only effective therapy. People who know me well have noticed a significant improvement in my ability to be more mobile with less breathlessness"

Barbara Lavis Niagara Falls, Ontario

"The Lung Flute decreased my need for my inhaler within the first week of use...it also seems to be helping my sinuses!"

Robert G Goodwin, Gardena, CA

"I'm amazed. It's unbelievable. I received it 4 days ago and it cleans me out. There's no back pressure. I can't say enough about it."

Ronald Duffy, RN, EMT Milton, FL

