

Protect you and your family from the effects of smoke inhalation TODAY!

Experience for yourself the incredible cooling properties of aluminum

Because of its non-toxic properties, aluminum is a staple in many households. It is completely food safe and is used in aluminum foil, utensils, and other kitchen supplies. The uses of this miracle metal extend beyond everyday family use into engineering, heating, cooling, electronics, and transportation. The common factor in these uses? Its thermal conductivity. Aluminum heats up quickly and as a result cools down quickly. Have you ever taken aluminum foil out of the oven assuming it would be hot only to find it's already cool? This is evidence of its thermal conductivity. Our product is inspired by the innovative use of aluminum for cooling purposes in technology.

Did you know? Breathing in hot air has the potential to cause thermal injuries on numerous structures of the respiratory system. Irreversible damage can occur in the lungs, upper respiratory tract, and smaller lung structures simply by breathing.

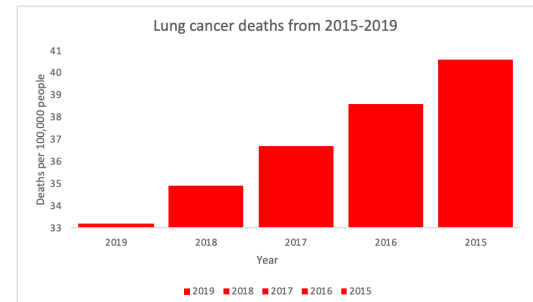
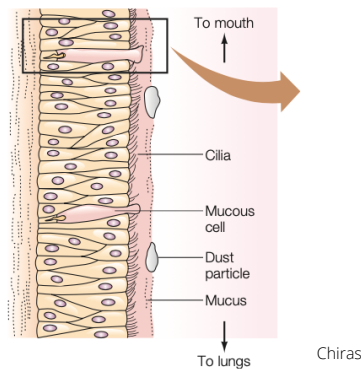
Did you know? Toxic particles that are present in smoke from fires, cigarettes, and living in an urban area can be absorbed into the lungs even faster when air is hot. Irritation and the toxic properties of particles can cause sicknesses such as chronic bronchitis, cancers, and blackened lungs. Let our aluminum work its magic in your lungs!

The process of filtering air

Small particles in the air that we breathe have the capability to enter the lungs and carry toxins. Lungs filter some of these particles through mucus, which traps them as they make their way through the nose, trachea, and bronchi. Mucus is a slimy substance made by the mucous cells, located in the nose, trachea, and bronchi.

Then, cilia move the mucus and dust towards the mouth and away from the lungs.

Mucus is effective but is not able to catch everything that enters the lungs. Additionally, cilia can be impaired by urban air pollution or the use of cigarettes, eliminating a defense system. Particles are then able to penetrate the lungs.



The dangers of cancer: Toxins can adhere to lungs and cause cancer!

"I use aluminum all the time!" - AS (pediatrician, M.D.)



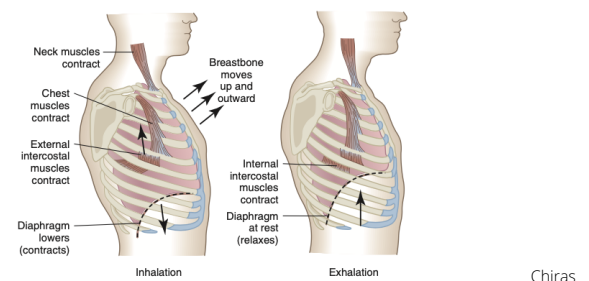
Sympatec

Will you use this technology to protect your health? Our inhalable aluminum powder has the same thermally conductive properties as aluminum in other forms. An inhaler will get our product straight into your lungs where it will come into contact with the particles and toxins you breathe in. Let the cooling properties of aluminum take action in your lungs today!



CEL Components

Inspiration and expiration: How will our product enter your lungs?



Our product will reach your lungs through the process of inhalation. Beginning in the brain, nerve impulses will cause the diaphragm to contract, bringing air into the lungs. The muscles between the ribs, intercostal muscles, are also stimulated and contract. These muscle contractions will expand the thoracic cavity, allowing space for air. Intrapulmonary pressure decreases because the volume of the cavity increases. When the muscles relax, the thoracic cavity decreases in volume and intrapulmonary pressure increases, pushing air outwards. A deep breath, like when using an inhaler, occurs through forcing these muscles to contract.

Questions? Contact biomedpharmawustl@gmail.com for more information