

NACPURE™ (N-Acetyl L-Cysteine)

By: Hi-Tech Pharmaceuticals

N-Acetyl-L-Cysteine (NAC) is a derivative of the dietary amino acid L-cysteine. NAC is manufactured with L-Cysteine HCL and Acetic Anhydride. The problem with many NAC products on the market is that the starting material L-Cysteine, which is made through hydrolysis, is made for the food additive and animal feed market, and not for pharmaceuticals or nutraceuticals. Therefore, the purity is often inadequate 95-97%. NACPURE™ (N-Acetyl L-Cysteine) by Hi-Tech Pharmaceuticals is 98%+ pure and almost every batch exceeds 99% purity due to our unique processing method. Our production is done in a GMP workshop with various precise and efficient analytical instruments, and has established a scientific and strict quality management system. Scientific and technological innovation are the key factors of NACPURE™ development and optimization, and the cornerstone of why NACPURE™ is the "Gold Standard" for all NAC products.



NAC has a high affinity for lung tissue, which it supports through mucolytic and antioxidant action. NAC also enhances glutathione production which may play a role in heavy metal detoxification.† N-Acetyl-Cysteine is a powerful antioxidant and nutrient for our defense system. NAC is especially important for lung function and tissue repair, as well as a mucous thinning agent. NAC also assists the liver in the detoxification process by maintaining levels of glutathione, an antioxidant vital to our immune system.

NAC supplies key amino acid support to help protect the body from harmful free radicals and maintain overall cellular health.† It also serves as a precursor to the body's powerful antioxidant

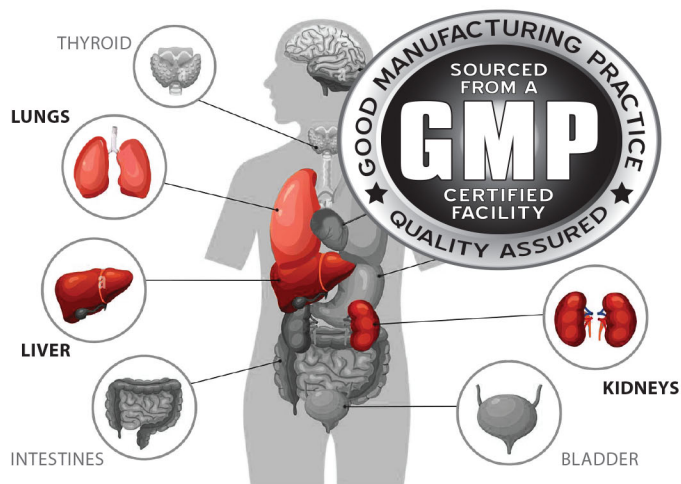
known as Glutathione, which is one of the body's most vital and abundant antioxidants within our cells. Supplementing NAC promotes Glutathione synthesis, which helps to neutralize free radicals that can cause cellular damage.†

Because NAC is important for the production of glutathione, a powerful antioxidant, it is also important in helping to prevent oxidative stress and inflammation. "Oxidative stress" is a term that gets thrown around a lot, but what is it, exactly? Oxidative stress refers to an imbalance between the harmful free radicals and helpful antioxidants in the body. When there are too many free radicals in relation to antioxidants, oxidative damage and inflammation can occur. That's why it's important for us to have as much support for our antioxidants as possible.

NACPURE™ (N-Acetyl L-Cysteine) has a wide range of health benefits and may assist in the production of antioxidants. NAC may support the kidneys, liver, and lungs and promote healthy immune function. It may also contribute to healthy skin and support sexual health and brain function, as well as promote a healthy mood.†

NACPURE™ (N-Acetyl L-Cysteine) helps healthy respiratory support by supplying 98%+ pure N-Acetyl L-Cysteine. NACPURE™ helps to support healthy lung function through its antioxidant and mucosal activity.† NAC has been shown to help maintain normal mucus amounts in the air passageways and promote Glutathione levels in the lungs.†

When mucus thickens, it can become difficult to expel. Due to its elevated sulfur content, NAC is able to disrupt disulfide bonds, thinning the mucus so that it, along with the trapped particles and bacteria, are more easily expelled from the lungs. NAC is a powerful free radical scavenger and thus supports epithelial cell health and healthy cilia activity in the respiratory tract. It is also a precursor to the antioxidant glutathione. Supplemental intake increases tissue levels of glutathione. Lymphocytes and specific components of the immune system, rely on glutathione to function properly. Tissues enhanced with glutathione support overall antioxidant protection and help to maintain a healthy immune response. A multicenter, randomized, double blind trial with 262 participants indicated that NAC supplementation for 6 months supported upper respiratory tract and immune system health. A recent meta-analysis of 8 double blind, placebo controlled trials provided additional support for NAC's ability to support respiratory tract health.†



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†THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.