



WPB - 08/30

Weekly Practice Builder

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In response to increasing demand from Practitioners, Biotics Research has developed the Weekly Practice Builder program to bring important, leading-edge information and literature to you, thereby helping facilitate the growth of your practice. Biotics Research products are available exclusively through Healthcare Providers.

Our featured supplement of the week is NAC (N-Acetyl-L-Cysteine)

Why do your patients need NAC? The conditionally essential amino acid NAC has all of the properties of L-cysteine, but is more water-soluble, and according to the literature and clinical feedback, is more bioavailable than L-cysteine. It is one of only three sulfur bearing amino acids (the others being taurine and L-methionine) and as such, acts as a sulfur donor in phase II detoxification as a methyl donor in the conversion of homocysteine to methionine. NAC is also one of the most cost effective ways to boost systemic levels of glutathione. Glutathione is a critical component of the immune system, and it plays a vital role as the cofactor for the antioxidant enzymes glutathione peroxidase and glutathione transferase. Glutathione is also important to the liver, as the liver utilizes it for drug detoxification. In addition to being a potent antioxidant, NAC is recognized for its ability to reduce the viscosity of mucus and aid in its elimination, this can be especially important for those with bronchial congestion. Amongst other things, NAC has also been attributed with the chelation of heavy metals, modulation of the metabolism, regulation of gene expression and signal transduction pathways, anti-inflammatory activity, anti-angiogenic activity, inhibition of cellular dysfunction, ability to block NF-kappaB activation, and providing protection against the adverse effects of chemopreventative and chemotherapeutical agents.



Why choose NAC from Biotics Research Corporation? When you purchase NAC from Biotics Research Corporation you can be confident that you are purchasing superior quality N-acetyl-L-Cysteine that has exceeded all biological, purity, and heavy metal testing. Heavy metal testing in particular is very important to look for in regards to NAC due to the fact that as a natural chelator of heavy metals, inferior grade NAC can assay very high in heavy metal contamination. While very effective as a stand alone supplement, NAC is known to be synergistic with both vitamin C (**Bio-C Plus 1000™**) and quercetin (**Bio-FCTS™**). As always, Biotics Research brings you *"The Best of Science and Nature"*.

Questions? Comments?
Biotics Research wants to hear from you!



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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.

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