

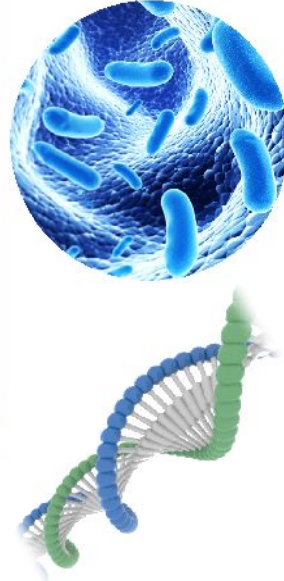
®

BENSULIN[®]

The Power of Nucleotides Plus Lactobacillus reuteri



Health Through Innovation



BENSULIN is a Dietary Supplement which has shown to be of value as a means to maintain Healthy Blood Glucose Levels. Multiple clinical trials and a University study verified that the active ingredients in BENSULIN increased insulin secretion and incretin release in humans.*

*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

BENSULIN[®]

is a proprietary product which contains a unique strain of the probiotic *Lactobacillus reuteri* plus a highly concentrated dietary source of nucleotides. **Nucleotides** are the building blocks of DNA and RNA, which are needed by the body in very large quantities to produce the millions of cells it needs every day to carry on all of its metabolic, disease fighting, growth, repair and health maintenance functions.

For years, nucleotides were not considered essential nutrients. Today, however, they are increasingly recognized as vital components in nutrition and as crucial participants in managing many types of bodily stress and disease.

By protecting against many common infections, **L. reuteri** promotes overall wellness in both children and adults. Double-blind, randomized studies have found that adults who consume *L. reuteri* daily end up falling ill 50% less often, as measured by reduced taking of sick leave.

Enrichment of gut microbiota with *L. reuteri* increases insulin secretion, possibly due to augmented incretin release, but does not directly affect insulin sensitivity or body fat distribution. This suggests that oral ingestion of one specific strain may serve as a novel therapeutic approach to improve glucose-dependent insulin release.

People taking this *L. reuteri* had increased glucose-stimulated insulin secretion by 49%, C-peptide secretion by 55%, GLP-1 release by 76%, GLP-2 release by 43, and altered beta-cell function relative to people taking the placebo.

In the latest clinical trial, BENSULIN decreased Fasting Blood Sugar (FSB) levels by 36.2% and A1C (Long Term Average Blood Glucose) levels by 14.9% in adults with Abnormal Glucose Homeostasis (AGH) and Type 2 Diabetes.



Supplement Facts:

Serving Size: One Capsule daily

Amount per serving: 500mg	% Daily Value
Yeast Extracts (Nucleotides & RNA)	188 mg *
<i>L. reuteri</i> (Probiotic)	250 mg *
Maltodextrine	38 mg *
Inositol	25 mg *

RNA & Nucleotides (From extracts of *Saccharomyces cerevisiae*) **

* % Daily Value Not Established

Other Ingredients: Vegetable Gelatin, Hypromellose, Lysine, Magnesium Sterate, Sodium Citrate
* Nucleotides: Purines & Pyrimidines

Formulated and Bottled in the USA

Caution: If you are afflicted by Gout, have an autoimmune disease, are an organ transplant recipient or are pregnant/nursing, please consult your health care professional before taking this product.

Distributed by:

Doctor's Natural Health Solutions

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The Function of Nucleotides in [®] BENSULIN

Nucleotides are indispensable for the production of insulin, especially as we grow older when the availability of nucleotides becomes crucial to the endocrine system as related to protein synthesis and the efficient function of hormones.

Despite age-related changes, the endocrine system functions well in most older people. However, some changes occur because of damage to cells during the aging process and genetically programmed cellular changes. For example, increasing age is thought to be related to the development of AGH and Type 2 diabetes, especially in people who might be at risk for this disorder. In most cases of AGH and Type 2 diabetes, aside from the decreased production of insulin, the number and activity of the cell's insulin receptors are diminished.

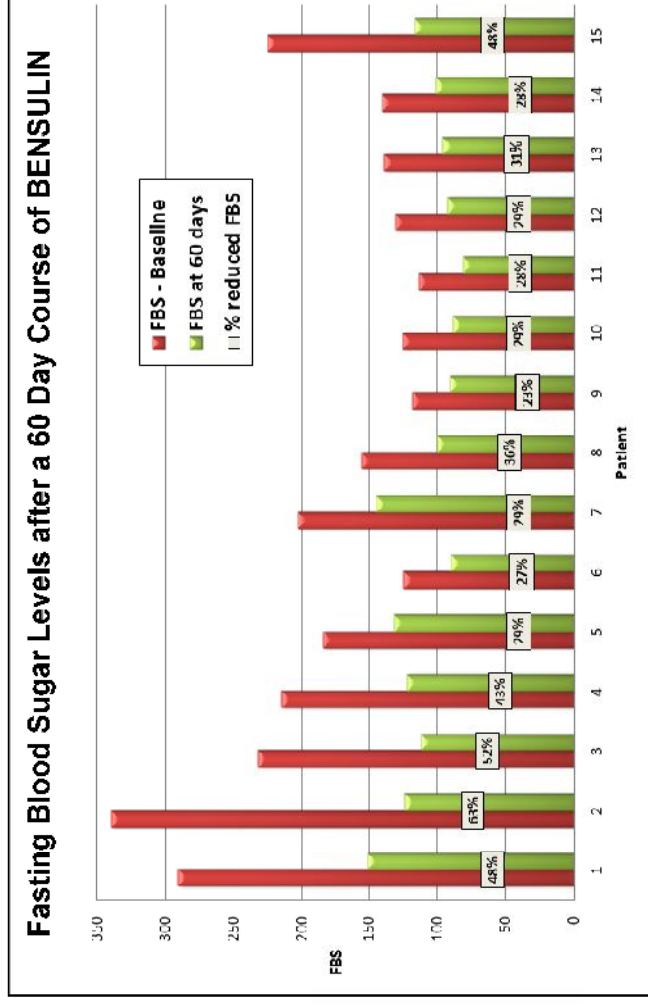
Since these hormone receptors are also proteins, the supplementation of nucleotides will increase their **numbers as well as their activity**. In addition, damage to the process of fat metabolism may also lead to AGH and Type 2 diabetes. In physically active people, fat is transported to subcutaneous fat tissue, whereas in sedentary persons, fat is transported to the abdominal region. Nucleotides support fat metabolism, reduce the deposition of fat, and thereby lower the cell's insulin resistance. Nucleotides also enhance the repair mechanism of liver cells. Since liver cells can degrade fat and glucose, **facilitating their repair can help to decrease the level of circulating glucose in the blood.**

In conclusion, BENSULIN's Nucleotides support the regulation and degradations of glucose by virtue of:

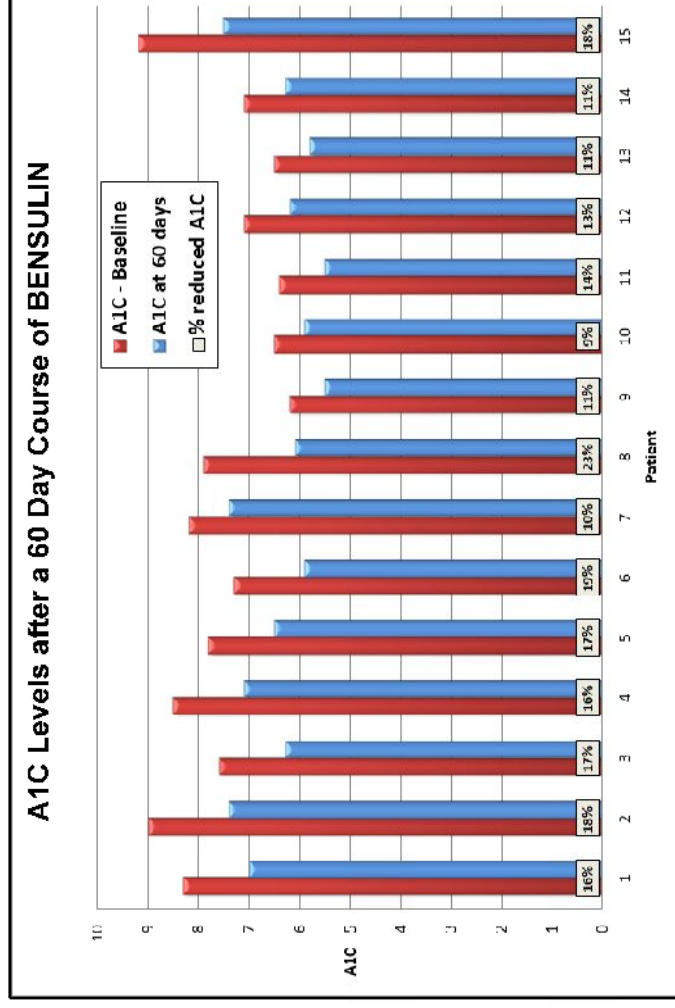
1. Increased production of insulin
2. Increased formation of insulin receptors
3. Regulation of fat degradation and distribution
4. Enhanced liver cell repair function

[BENSULIN Clinical Study Results](#)

The effect of a proprietary blend of Nucleotides, formulated with a unique strain of the probiotic *Lactobacillus reuteri*, as a dietary supplement on incretin-mediated beta-cell function in 15 adults, ages 18 - 70, with Impaired Glucose Homeostasis or Type 2 Diabetes.



Avg. % Reduced FBS - 36.2



Avg. % Reduced A1C - 14.9