

*Scientific Breakthrough
for Healthy Insulin Function*♦

Insinase™

**Selective Kinase Response Modulators
for Healthy Insulin Function**♦

Patient Benefits:

- ▶ Proprietary formula featuring selective kinase response modulators (SKRMs)—RIAA and acacia—which have been clinically shown in a preliminary study at the FMRC* to improve fasting insulin and lipid parameters♦
- ▶ Modulates kinase signaling in adipocytes. These fat-storing cells are involved in glucose utilization and insulin signaling♦
- ▶ Balanced kinase signaling helps to maintain healthy blood sugar and triglyceride regulation♦
- ▶ *In vitro* testing of the active ingredients has demonstrated inhibition of IL-6 cytokines—which influence insulin function♦

The ExpressSyn Difference:

- Research demonstrates efficacy and a high level of predicted safety.
 - ▶ Cell proteomic research
 - ▶ Human clinical research



* FMRC (Functional Medicine Research CenterSM)
is the clinical research arm of Metagenics.

Ground-breaking preliminary research suggests that SKRMs modulate kinase signals in favor of **healthy insulin function**.♦

Scientifically Tested, Clinically Demonstrated

Results Backed By Science

Metagenics has tested over 200 natural substances and extracts for their influence on insulin responses in adipocyte cells. The best performers were selected for further scientific testing, then evaluated in a human clinical study.

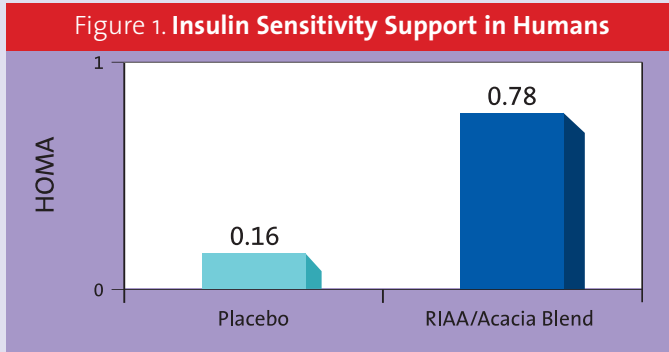
(Figures 1-3).[♦]

Why Patients May Benefit From Insinase

Many prevalent health issues—including those related to insulin function—have been found to have specific underlying kinase signaling components. Developed through the ExpresSyn Process, Insinase provides SKRMs in the forms of RIAA and acacia to help modulate kinase signaling in favor of good health.[♦]

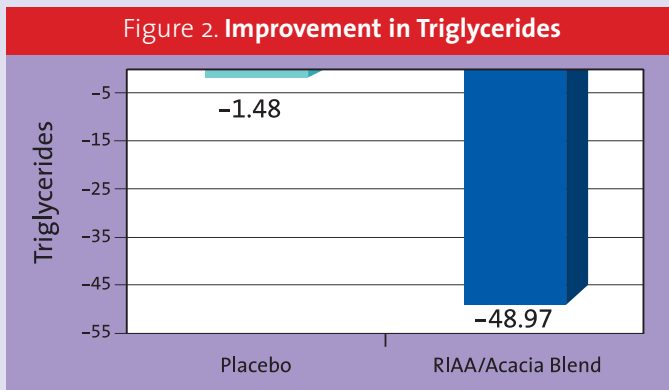
CLINICALLY TESTED INGREDIENTS

Figure 1. Insulin Sensitivity Support in Humans



The Homeostasis Model Assessment (HOMA) estimates steady state beta cell function and insulin sensitivity.

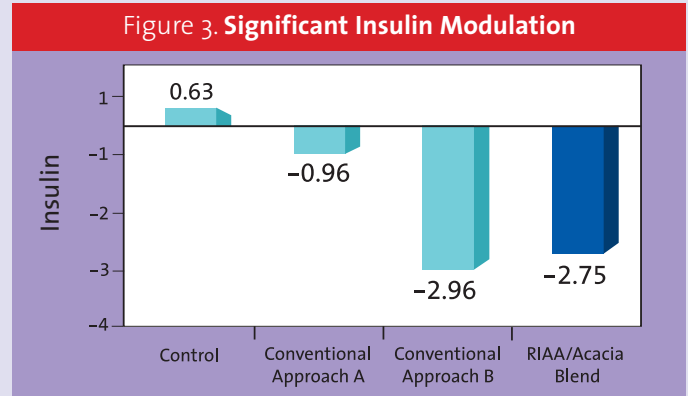
Figure 2. Improvement in Triglycerides



In an 8-week blinded, placebo-controlled study of 91 patients, a RIAA/acacia blend was found to support a healthy insulin response and healthy triglyceride levels.[♦]

ADDITIONAL SUPPORTIVE RESEARCH

Figure 3. Significant Insulin Modulation



In a mouse model, the RIAA/acacia blend was comparable to leading conventional approaches.[♦]

FORMULA

Three Tablets Supply:

A proprietary blend of Reduced Iso-Alpha Acids and Acacia Extract (*Acacia nilotica*) 540 mg

Recommendations: Three tablets daily

Form: 90 Tablet Bottle

Reference

1. Robert H. Lerman, MD, PhD, Matthew L. Tripp, PhD, Jeffrey S. Bland, PhD. Double-blind, placebo-controlled trial examining the effects of RIAA/acacia supplementation on insulin homeostasis. Functional Medicine Research Center, the clinical arm of Metagenics, Inc., Gig Harbor, WA.

[♦] 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.



Genetic Potential Through Nutrition
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MET1354 7/06