

## Insights from Mannatech's R&D Department



Mannatech, Incorporated has been a leader in the dietary supplement industry since 1994. To develop innovative products, Mannatech's scientists seek unique technologies—using high-quality, natural ingredients—that anticipate

the needs of today's sophisticated consumers. We explore product concepts and conduct basic research in our state-of-the-art research and product development laboratory.

Mannatech's product claims, backed by published clinical research, are compliant with U.S. Food and Drug Administration (FDA) and Federal Trade Commission (FTC) regulations.<sup>‡</sup> Our research team collaborates with scientists and physicians worldwide to conduct extensive pre-clinical and clinical testing of products and product ingredients. Nineteen studies have been published in peer-reviewed journals about Mannatech products. Seventeen of these studies were human clinical trials, twelve of which were gold-standard, randomized, placebo-controlled trials.<sup>†</sup>

Since 1997, over three million people worldwide have safely experienced the benefits of Ambrotose® powders. Randomized, double-blind placebo controlled trials (RCTs) of over 450 healthy adults indicate that intake of Ambrotose powders are safe and can stimulate the immune system;<sup>1,2</sup> provide gastrointestinal benefits;<sup>3</sup> and improve well-being<sup>3,4</sup> memory<sup>4,5,6,7</sup> and cognitive function.<sup>5, 6, 8, 9\*</sup> Further, Ambrotose and does not increase blood sugar levels.<sup>5</sup> In an open-label clinical trial, intake of Ambrotose powder was shown to support cellular communication.<sup>10\*</sup>



RCTs and open-label trials including over 260 subjects indicate strong benefits for other Mannatech products.



Ambrotose AO® capsules can provide significant protection against oxidative stress;<sup>\*11, 12,13</sup>



EMPACT® sports drink can significantly improve measures of aerobic performance in active adults;<sup>\*15,16</sup>



BounceBack® capsules can protect against post-exercise muscle soreness and stiffness;<sup>\*14</sup>



Osolean® powder can help support fat loss while retaining lean muscle during weight loss;<sup>\*17,18</sup>



The combination of Ambrotose powder, Omega-3 with vitamin D3 capsules, Ambrotose AO capsules, PhytoMatrix® caplets and PLUS™ caplets improved numerous self-

reported measures of physical and mental health—including quality of life, memory, and reduced joint pain—in retired professional athletes.<sup>\*19</sup>

To date, research conducted on over 450 subjects has validated the safety and efficacy of some of Mannatech's most popular products. Mannatech continues to plan and conduct human clinical research.

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**\* These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.**

‡ Complete lists of approved product claims are posted on [mannatechscience.org](http://mannatechscience.org).

† Studies were typically at least partially funded by Mannatech. In some cases, this means that Mannatech donated the product that was studied. In other cases, additional funding was provided.