

# TRIO

## CLINICAL APPLICATIONS

- *Supports Healthy Hormone Balance*
- *Promotes Optimal Metabolic and Blood Sugar Regulation*
- *Enhances Insulin Sensitivity and Promotes Ovulatory Function*
- *Maintains Normal Inflammatory Balance*
- *Supports Positive Mood*

## ENDOCRINE HEALTH

TRIO is a unique formula designed to support metabolic, hormonal and gut health through a combination of targeted ingredients. By focusing on key pathways involved in energy metabolism, blood sugar regulation, and hormone balance, it provides a comprehensive solution for individuals seeking natural support for metabolic efficiency and overall wellbeing. At the heart of TRIO is a powerful blend of myo-inositol and D-chiro inositol in a 40:1 ratio, a clinically researched combination shown to improve insulin sensitivity, promote regular ovulation, and support healthy hormone balance. Complementing this are essential minerals like zinc, copper, and chromium, which aid in glucose regulation and hormonal support, along with Solnul® resistant potato starch (RPS) to optimize gut health and support metabolic efficiency.

### Overview

Hormonal and metabolic imbalances can affect multiple aspects of wellbeing, influencing everything from energy levels and mood to weight management and glucose control. TRIO is designed to target these interconnected systems, offering comprehensive support for healthy insulin function, balanced glucose levels, and optimal gut microbiome health. The combination of myo-inositol and D-chiro inositol (40:1 ratio), resistant starch, and essential trace minerals has been extensively studied for its role in improving metabolic and hormonal health. Together, these ingredients create a synergistic effect, helping individuals achieve balanced energy, enhanced insulin sensitivity, and better overall metabolic function.

### Inositol

#### (Myo-inositol and D-Chiro Inositol, 40:1 Ratio)

Inositol is a naturally occurring compound essential for cellular signaling, particularly in pathways related to insulin sensitivity and metabolic function. The 40:1 ratio of myo-inositol to D-chiro inositol, which reflects the body's natural ratio, has been extensively researched for its ability to support metabolic and hormonal balance.<sup>1,2</sup> Studies have shown that this specific combination is effective in improving ovulation, reducing insulin resistance, and lowering androgen levels, which can help alleviate symptoms like unwanted hair growth and acne.<sup>3</sup> Research consistently highlights the role of myo-inositol and D-chiro inositol in enhancing insulin sensitivity and promoting healthy glucose metabolism, making it a valuable tool for those seeking better metabolic balance.<sup>4</sup> Additionally, inositol has been shown to play a key role in maintaining hormonal equilibrium, particularly in relation to reproductive health and metabolic efficiency.<sup>5</sup> In a double-blind, placebo-controlled study, women who took myo-inositol and D-chiro inositol in a 40:1 ratio daily for six months, experienced significant improvements in insulin sensitivity and hormone levels associated with menstrual cycle regularity compared to those who received placebo.<sup>6</sup> Another study reported similar results as well as improvement in ovulation rates among participants using the same dosage.<sup>7</sup>

### Solnul® and Resistant Starches

Solnul® resistant potato starch (RPS) is a type II resistant starch that functions as a prebiotic, feeding beneficial gut bacteria and promoting a healthy digestive environment. Resistant starch has been shown to slow glucose absorption, which helps regulate blood sugar levels and improve insulin

sensitivity over time.<sup>8</sup> Research shows that resistant starch can help reduce blood sugar spikes after meals and improve how the body responds to insulin.<sup>9</sup> Furthermore, resistant starch is associated with enhanced production of short-chain fatty acids, such as butyrate, which contribute to gut health and normal inflammatory balance.<sup>10</sup> Specifically, Solnul® RPS has been shown to have a prebiotic effect at a 3.5 g daily dose and to significantly increase *Bifidobacterium* and *Akkermansia* levels and improved bowel movements compared to placebo.<sup>11</sup> In a systemic review and meta-analysis, resistant starch supplementation improved insulin sensitivity and lipid parameters in overweight adults, making it a promising adjunct therapy for those with metabolic challenges.<sup>12</sup>

### Zinc, Chromium and Copper

These essential minerals are crucial for maintaining metabolic health and supporting a wide range of vital bodily functions. Zinc plays a key role in insulin function, hormone balance and immune support, as well as cellular repair. Studies have shown that zinc supplementation helps optimize insulin sensitivity and glycemic control in individuals with metabolic health challenges.<sup>13</sup> Zinc also helps reduce oxidative stress, which contributes to balancing hormone levels and improving metabolic function, particularly in women experiencing metabolic wellness concerns.<sup>14,15,16</sup> Chromium, a trace mineral, enhances insulin action and promotes efficient glucose utilization. Research indicates chromium can increase insulin sensitivity and maintain healthy glucose metabolism. In a clinical trial, women who supplemented with chromium showed enhanced insulin sensitivity.<sup>17</sup> Studies have consistently demonstrated chromium's ability to optimize blood sugar regulation by increasing insulin sensitivity in individuals with metabolic function concerns.<sup>18</sup> Copper is another essential mineral that supports energy production, antioxidant defense and overall metabolic health. As a cofactor for enzymes involved in energy production and iron metabolism, copper plays an important role in maintaining hormone balance and protecting cells from oxidative damage. It also supports cardiovascular health, which can be compromised in individuals with metabolic imbalances due to the increased risk of metabolic syndrome and insulin resistance.<sup>19,20</sup>

### Directions

1 scoop (7 grams) per day or as recommended by your health care professional.

### Does Not Contain

Gluten, yeast, artificial colors or flavors.

### Cautions

If you are pregnant or nursing, consult your physician before taking this product

## Supplement Facts<sup>v1</sup>

Serving Size 1 Scoop (7 Grams)  
Servings Per Container About 30

	Amount Per Serving	% Daily Value
Calories	25	
Total Carbohydrate	6 g	2%*
Dietary Fiber	2.5 g	9%*
Zinc (as Albion® Zinc Bisglycinate Chelate)	2 mg	18%
Copper (as Albion® Copper Bisglycinate Chelate)	0.2 mg	22%
Chromium (as O-polynicotinate) (ChromeMate®)	100 mcg	286%
Resistant Potato Starch (Solnule®)	3.5 g	**
Inositol Blend 40:1	2.05 g	
Myo Inositol		**
D-Chiro Inositol		**

\* Percent Daily Values are based on a 2,000 calorie diet.

\* Daily Value not

established.

Other Ingredients: Resistant Tapioca Dextrin, Lemon Juice, Citric Acid and Rebudioside M.

† 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.

## References

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