



**Size:** 90 Capsules | **Serving Size:** Three (3) Capsules | **Servings Per Container:** Thirty (30)

**2TX** by Max Muscle Sports Nutrition (MMSN) is the newest arsenal in testosterone amplification and age-related hormonal support. **2TX's** innovative and science-based formula is strategically designed to promote the powerful natural testosterone mechanisms within the male body, releasing testosterone from binding transport proteins, optimizing steroid receptor binding capacity, and blocking unwanted estrogen production. The key ingredients in **2TX** have been shown in human clinical trials to increase free (unbound and bioavailable) testosterone by 98%. Free testosterone is the only form of the hormone that binds to androgen receptors resulting in both anabolic and androgenic effects. Androgen binding then activates a cascade of biological mechanism for protein synthesis, tissue growth, increased bone density and muscle strength.†

Testosterone levels begin to decline in the late third or early fourth decade and diminish at a constant rate thereafter. Steeper declines occur in unbound or free testosterone. Lower testosterone levels is a major risk factor for a multitude of metabolic and mental health conditions. Travinson, et al. (2007) recently published an alarming study showing that testosterone levels have dropped about 1.2% per year, or about 17% overall, from 1987 to 2004 at an accelerated rate in American males as compared to previous periods. Recent studies have also shown that SHBG (Sex Hormone Binding Globulin) levels have increased, further exacerbating the situation.

About 98% of the circulating testosterone in the bloodstream is bound to proteins with approximately 65% transported on SHBG and 33% to albumin. The remaining 2% is free testosterone which is available to receptor binding. To support maximum free and bioavailable levels, **2TX** contains the Testosterone Modulator Complex containing Testafurano™ and Testofen™. Testafurano™ is a unique extract derived from a proprietary process from the Tribulus alatus plant. Testafurano™ is standardized to contain high concentrations of the bioactives beta-sitosterol (min. 47.5%) and furastonic saponins (min 50%). Recent research has demonstrated that these special sitosterols and saponins directly stimulate luteinizing hormone (LH) from the pituitary gland production and thereby increasing testosterone in the testis. Free testosterone (the biologically active form of the hormone) may be significantly elevated as well. Testofen™ is a special fenugreek extract standardized to contain at least 50% fenusides. Testofen™ is a powerful and clinically proven ingredient shown to increase muscle mass, increase levels of free testosterone by 98%, increase libido, reduce abdominal fat and increase energy levels. These results have been scientifically substantiated and published in numerous peer-review publications. Maslinic Acid (2-alpha,3-beta-dihydroxyolean-12-en-28-oic acid) is a novel growth potentiating compound. It's chemical structure is similar to steroid hormones and a proposed mechanism of action in cell signaling similar to that of testosterone. Animal studies have shown that Maslinic Acid has a powerful anabolic effect by increasing whole body growth rate, increasing liver protein synthesis and nitrogen retention. The synergistic combination of Testafurano™, Testofen™, and Maslinic Acid provides the basic power to drive testosterone to healthy levels.†

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## YOUR ASSURANCE OF QUALITY®

### KEY FEATURES

- **Natural Testosterone Amplifier†**
- **Optimizes Circulating Free and Bioavailable Testosterone Levels†**
- **Maximize Muscle Growth, Strength and Recovery†**
- **Contains Ingredients That Promote Free Testosterone Levels Up to 98%†**

### KEY MESSAGES

- *Innovative and science-based formula strategically designed to promote the powerful natural testosterone mechanisms within the body, releasing testosterone from binding transport proteins, optimizing steroid receptor binding capacity, and blocking unwanted estrogen production.†*
- *In males, testosterone levels begin to decline in the late third or early fourth decade of life and diminish at a constant rate thereafter. Steeper declines occur in unbound or free testosterone.†*
- *Lower testosterone levels are a major risk factor for a multitude of metabolic and mental health conditions.†*
- *Provides key ingredients that have been shown in human clinical trials to increase free (unbound and bioavailable) testosterone by 98%.†*
- *Testosterone Modulator Complex containing Testafurano™, Testofen™, and Maslinic Acid. The synergistic combination of Testafurano™, Testofen™, and Maslinic Acid provides the basic power to drive testosterone to healthy levels.†*
- *Androgen Receptor Response Complex provides L-Carnitine-L-Tartrate (LCLT) and Alpha Lipoic Acid. Both ingredients are designed to enhance skeletal muscle cell testosterone binding for amplification of cell amplification responses.†*
- *SHBG (Sex Hormone Binding Globulin) and Anti-Aromatase Complex containing Chrysin, 3,4-Divanillyltetrahydrofuran, White Button Mushroom (Agaricus bisporus), and Green Tea (Camellia sinensis) Leaf Extract (std to contain 45% EGCG). The combination of these ingredients are aimed at decreasing the conversion of testosterone to estrogen (anti-aromatase) and the effects of estrogen at the receptor sites.†*
- *Vitamin C (Ascorbic Acid) has been added to prevent lipid peroxidation and further support testosterone levels.†*

† **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.**

Size: 90 Capsules | Serving Size: Three (3) Capsules | Servings Per Container: Thirty (30)

Supplement Facts		
Serving Size: 3 Capsules		Servings Per Container: 30
Amount Per Serving	%DV*	
Vitamin C (ascorbic acid)	80 mg	133%
<b>Testosterone Modulator Complex</b>	750 mg	**
<small>Testafuranol™ (Tribulus alatus, standardized to contain 50% beta-sitosterol and 50% stigmasterol), Testofen™ (fenugreek extract standardized to contain 50% fenugreek), Maslinic acid (Crataegus pinnatifida, extract), (standardized to contain 10% maslinic acid)</small>		
<b>Androgen Receptor Response Complex</b>	350 mg	**
<small>L-Carnitine-L-Tartrate (LCLT), Alpha Lipoic Acid</small>		
<b>SHBG and Anti-Aromatase Complex</b>	350 mg	**
<small>Chrysin, 3,4-Divanylltetrahydrofuran, White Button Mushroom (Agaricus bisporus), Green Tea (Camellia sinensis) Leaf Extract (standardized to 45% EGCG)</small>		
<small>*Percent Daily Values are based on a 2000 calorie diet. **Daily value not established.</small>		

**Directions:** As a dietary supplement, take 3 capsules in the morning and 3 capsules six to 8 hours later, each time with 8 oz of water on an empty stomach.

**Other Ingredients:** Maltodextrin, Magnesium Stearate, Gelatin (Titanium Dioxide, FD&C Red #40, FD&C Blue #1).

Testafuranol™ is a trademark of Integrity Nutraceuticals International.

Testofen™ is a trademark of Gencor Pacific Inc., USA

Manufactured in a facility that processes milk, egg, fish, crustacean shellfish, tree nuts, wheat and soybeans.

**WARNING:** This product is only intended for use by healthy adult males, 18 years of age or older. Do not take this product if you are female. Discontinue use and call a physician or licensed healthcare practitioner immediately if you experience unexpected side effects. If taking prescription medications, consult a physician or licensed healthcare practitioner prior to use.

**KEEP OUT OF REACH OF CHILDREN.**

**STORE IN A COOL, DRY PLACE AWAY FROM MOISTURE, SUNLIGHT AND EXCESS HEAT. ALWAYS KEEP TIGHTLY SEALED.**

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The Androgen Receptor Response Complex provides L-Carnitine-L-Tartrate (LCLT) and Alpha Lipoic Acid. The Androgen Receptor (AR), located within the target tissue cells, is the primary binding complex for free testosterone and functions as a DNA binding transcription factor causing direct up-regulation of gene expression and protein synthesis, increases in lean muscle mass, and skeletal muscle strength. Several recent studies have now shown that LCLT may up-regulate AR and play an important role as an enhancer of testosterone's response in muscle cells. LCLT has also been shown to reduce exercise-induced muscle tissue damage and enhance recovery. Alpha Lipoic Acid (ALA) is a universal antioxidant and recent studies have shown ALA to be an effective cytoprotectant for testosterone and the AR. Both ingredients are designed to enhance skeletal muscle cell testosterone binding for amplification of cell amplification responses.†

Testosterone is converted into estradiol (estrogen) by the enzyme aromatase or reduced to 5-alpha-dihydroxytestosterone (DHT) by the enzyme 5-alpha reductase (CYP19A1). To address this, 2TX contains the SHBG (Sex Hormone Binding Globulin) and Anti-Aromatase Complex containing three powerful natural and evidence-based ingredients all aimed at decreasing the conversion of testosterone to estrogen (anti-aromatase) and the effects of estrogen at the receptor sites. These include Chrysin, 3,4-Divanylltetrahydrofuran, White Button Mushroom (Agaricus bisporus), and Green Tea (Camellia sinensis) Leaf Extract (std to contain 45% EGCG). Finally, Vitamin C (Ascorbic Acid) has been added to prevent lipid peroxidation and further support testosterone levels.†

2TX is not a synthetic drug and will not cause the negative feedback effects as seen by these products. 2TX is truly the smartest and most powerful and effective formula to naturally support testosterone health and to address the age-related decline in testosterone levels and support anabolic effects.

## TARGET MARKET

**Primary:** Bodybuilders and athletes seeking to optimize testosterone amplification and function to maximize muscle growth, strength, and recovery.

**Secondary:** Men seeking a safe and effective formula to address the age-related decline in testosterone production.

## RECOMMENDED STACK

- Max ZMA
- GHTX
- Max Tribustak
- MTX

## KEY REFERENCES

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