## Creatine: The latest info on Creatine

Creatine supplementation provides an extensive list of well known benefits which include improving explosive bouts of excercise, decreasing myostatin levels and increasing muscle mass without side effects when taken properly.

lowever, there is a lot to creatine that you may not be aware of If you've heard of myostatin, then you know that it is a protein in the body discovered in 1997 that is responsible for regulating muscle growth by inhibiting it. Based on genetics, there are myostatin levels that vary from person to person that can cause one to be a world class bodybuilder and another a hard gainer.

Everyone knew that creatine helped to increase strength, bu was the increase in strength what lead to the gains in muscle' Or was it something else? Researchers from Tarbiat Modares University discovered that when combined with resistance 2000 researchers from the University of Wisconsin Medical. Yet low and behold researchers from the Exercise Physiology importance for lifters looking to build muscle.

Another important capability of creatine is its effect on recovery

for increasing strength (which as you've read so far, is only part of what creatine does) and it had no place in their 8-12 rep, high intensity bodybuilding program. It has long been tradition in many bodybuilding programs to use short rest periods, and because creatine takes upwards of 2 minutes to regenerate, some il informed bodybuilders have not seen it as a necessary

Well research begs to differ; high intensity anaerobic exercise is this already, what they may not know is that eccentric exercise

Satellite cells are myogenic cells responsible for postnatal in Belgium discovered that supplementing with creatine helps growth and regeneration of skeletal muscle. Stimulating these preserve muscle glycogen by increasing creating utilization cells through training and supplementation is of the upmost during exercise (the researchers used 5g of creating a day with lifting for strength or power. They felt creatine was only effective on and off creatine during your training cycles is still a good idea.

These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure or prevent any disease.





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# SUPPLEMENT FACTS

Serving Size: 1 scoop (5a) Servings Per Container: 105

Daily Value not established

Amount Per Servina %Daily Value<sup>4</sup>

Creatine Monohydrate Percent Daily Values are based on a 2,000 calorie diet.

# Recommended Usage:

Mix 5 grams of Creatine Micronized with water or juice either after 30 days. Creatine supplementation is also important for the elderly to support lean mass and functional strength

### Loading & Cycling:

you're an athlete or advanced lifter who is interested in oading creatine to increase phosphate levels quickly, use 20 grams (4 servings) a day for the first 4-5 days. Discontinue use after 4 weeks, and receat after at least 4 weeks of discontinued use. Creatine effectiveness plateaus after 4-5 Creatine is not good for outdoor sports: this is

your doctor before use. Discontinue use and consult your doctor between cramping during athletic events and creatine.

Keep out of reach of children.

8-57487-00328 boosting sports performance.

# BENEFITS OF CREATINE SUPPLEMENTATION

- · Increase muscle mass by stimulating satellite cells (satellite cells are 'blank' cells that aid in tissue regeneration).†
- · Increase strength by elevating creatine phosphate levels.† The elevation of creatine phosphate leads to an increase in the formation of ATP, which is natures natural energy source.
- · Reduce fatigue and promote exercise recovery by reducing muscle glycogen depletion.† The higher the availability of creatine in the body, less muscle Creatine on non-training days as well to maintain muscle glycogen is necessary during intense strength
  - Increase muscle volumet: increased intramuscular creatine stores draw water to properly hydrate muscle and improve muscle volume.

contradictory to the research. It is normally thought that creatine can lead to dehydration and muscular If you are pregnant, nursing or taking any medications, consult cramping. However, there isn't a research proven link use. What research has shown however is that increased hydration levels in muscle lead to your body's ability to handle higher outdoor training levels. While it is true that your water requirement will go up due to increased intramuscular water, water has the ability to regulate temperature which will be to your advantage during outdoor activities. Creatine will also aid in

ENHANCE ATHLETIC PERFORMANCE & INCREASE ATP