

## USING PRUVIT KETONE SALTS IN THE ELDERLY AND PEOPLE WITH MEDICAL CONDITIONS

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I receive emails and Facebook messages from many people who are using or want to use ketone salts for themselves or their loved ones, many of whom are elderly or may have medical conditions and want to make their life better. Here is some guidance for how to get started with ketone salts:

### HOW KETONES COULD HELP

Pruvit ketone salts are nutritional supplements and have not been evaluated or approved by the FDA to treat any medical condition. On the other hand, there is plenty of scientific evidence that raising ketones can provide alternative fuel to the brain, reduce inflammation, and burn fat. Many people report increased energy, endurance, focus and mental clarity, improved mood and sleep, fewer aches and pains, and fat loss.

### TALK WITH YOUR DOCTOR

As with any nutritional supplement, it is important for elderly people and people with medical conditions to consult with their physician before using ketone salts. The doctor could monitor your blood pressure and check blood levels of electrolytes, glucose and minerals (calcium, phosphorus, magnesium) before you get started and after 3 to 6 weeks or so. Pruvit ketone salts are the first product marketed widely to the public that contains the actual ketone body betahydroxybutyrate attached to the mineral salts sodium, potassium, magnesium and calcium. Many people need to watch their sodium intake, may be on diuretics that may cause loss of minerals from the body, and/or may be taking potassium. Keto//OS NAT products contain 910 mg sodium and 270 mg calcium per serving. All Pruvit products are non-racemic, which means they contain the most bioactive form of the ketone betahydroxybutyrate. At present this is the only company using exclusively this most bioactive form. Your doctor or a dietician can help you factor the mineral salts into your diet and adjust, for example, your potassium supplement to account for the amounts in ketone salts.

People with diabetes taking medications and/or insulin need to be aware that raising ketone levels with ketone salts may result in a significantly lower blood sugar along with a drop in the amount of insulin the body produces. To avoid abnormally low blood sugar, I recommend that you monitor your blood sugar closely and work with your doctor to make changes in your medications. Many diabetics report that they are able to reduce their medications, including insulin, rather quickly over days to several weeks, especially if using ketone salts is combined with a low carbohydrate diet. Pruvit ketone salts contain minimal sugar and are sweetened with stevia and/or erythritol, a sugar alcohol.

Regarding diabetic ketoacidosis, this is an abnormal condition that occurs with very elevated blood sugar and inadequate insulin. Levels of ketones are many times (20 to 50 times higher) than the levels you would get by taking a serving or two per day of ketone salts. The risk is extremely low, but could be a problem for someone on the brink of diabetic ketoacidosis. Ketone levels can easily be monitored with a glucose/ketone monitor using ketone strips, available online without a prescription (check out keto-mojo.com for least expensive ketone strips). Ketone salts usually produce a boost in

betahydroxybutyrate levels in the 0.5 to 1.5 mmol range, compared to 10 to 25 mmol in diabetic ketoacidosis.

#### START SLOWLY AND INCREASE AS TOLERATED

While it is tempting to start with a whole serving in hopes of seeing maximum benefits right away, I recommend in elderly people and those with medical conditions, to start with 1 or 2 level teaspoons per day, which would be equal to about 1/8 to 1/4 of a serving, and if there is no issue, such as intestinal distress, you could increase by the same amount every few days until arriving at ½ to 1 full serving per day. The total amount could be divided into smaller portions throughout the day. Some people increase to as much as two servings per day.

Also, it is very important that the person taking ketone salts take plenty of water and other clear liquids. Ketone salts can have a dehydrating effect in some people, especially in the beginning.

Ketones can suppress appetite, which is great if you need to lose weight. If you are very thin you might consider adding more calories to your diet with calorie dense foods such as coconut oil, olive oil, butter, cream, avocado and nuts.

#### BRING THESE GUIDELINES TO YOUR DOCTOR

Ketone salts are so new that most doctors don't know about them yet much less the potential of ketones to provide alternative fuel to the brain and other organs, reduce inflammation, and burn fat. I suggest that you take a copy of these guidelines to your doctor. Many doctors decide to pass this information on to other patients when they see improvement in just one of their patients. Some doctors may even decide to help their patients by providing ketone salts as samples or ordering them through their office.

To explore ketone salts, look at [marynewport.pruvitnow.com](http://marynewport.pruvitnow.com).