

**Probulin- Tuesday August 6 2019 Seminar
with Buddy Ojeda CN - East Coast product educator**

Hemp Fusion / Probulin products are the development of **Jason Mitchell ND** - who worked for years as the product formulator for Country Life Vitamins - he first worked with Dr Shekhar Challa MD on the development of **Probulin Probiotics** which have the unique delivery system called MAKTreK 3 - D that allows a much higher survivability of the probiotic bacteria to reach their intended site unharmed.

1. The probiotics are surrounded by a **brown seaweed extract** that allows them to fully survive stomach acid down to a 1.5pH.
2. The probiotics are protected from becoming over hydrated and “blowing up in the gut” - a **proprietary isotonic delivery** allows them to become slowly hydrated and come to life with a much higher survivability.
3. Prebiotics are included (**Inulin**) with the probiotics so they have their food supply to allow them to multiply rapidly. When the conditions are ideal in the gut the bacteria with a proper food supply can reproduce rapidly and double in population every 30min. So a 1 billion probiotic can potentially become 1 trillion bacteria in 5 hours !!!

Daily Care is the basic product - it contains 7 strains of Lactobacillus acidophilus - 7 billion that live in the small intestine and 5 strains of Bifidobacteria - 3 billion that live in the large intestine (colon). The super durable strain reuteri is included in this formula. It also contains 100mg of Inulin a fiber to feed the bacteria. Kids ages 10 to 12 can also use this formula.

Women's Formula contains more lactobacillus in higher potencies 13.5 billion - the higher amounts of lactobacillus is very helpful for yeast problems such as candida and vaginal yeast. The beneficial bacteria crowd out the candida. This formula is excellent for men also who have issues with yeast. It also contains 5.5 billion Bifidobacteria 3 strains and 1 billion of a yogurt bacteria and the beneficial anti-diarrhea yeast S.boulardi with 100mg of Inulin to feed the bacteria once they are delivered.

Colon Support - contains 5 strains of Bifidobacteria 18 billion and 1.5 billion of lactobacillus this is a great formula for people who have problems with constipation and or diarrhea. It may be a better formula for seniors also. Very protective for food poisoning - it is a great probiotic formula to take for travel. It contains 500 million of the “yogurt” probiotic thermophilus that is a transitory probiotic but does a lot of good in its travel through the gut. 100mg of Inulin to feed the bacteria are included.

P-Pak is the exact same formula as the colon support only in a 10 day supply. Very supportive for post antibiotics and as a very convenient size to take on a trip especially out of the country.

Total Care Probiotic 20 billion cfu's - contains 15 strains of probiotics - 7 lactobacillus, 3 Bifidobacteria, and 5 others. These bacteria are grown on certified organic figs, beets, kale, blueberries and raspberries - in the fermentation the probiotics metabolize them and produce by-products - Butyrate, Short chain fatty acids, Hydrogen Peroxide, B-12, K-2 and propionic bacteria. The post-biotics play an important role in intestinal health.

My Little Bugs - 5 billion cfb's - watermelon flavor chewable for kids 4+ is the same exact formula but in a lower potency for kids.

When is the best time to take your probiotic ?

Taking a probiotic at night seems to help it work even better. The time period 1-2 hours before going to bed is the optimum time to take a probiotic. This is due to the simple fact that there is less digestive action during sleep. During sleep, your parasympathetic nervous system is dominant, favoring blood flow through your enteric bloodstream. This enhances absorption of products “breaking down” in your digestive tract. Because of this, the probiotic may have a less chaotic journey to your gut, and it will enjoy a calm yet thriving environment once it arrives.