



In response to increasing demand from Practitioners, Biotics Research Corporation has developed the Weekly Practice Builder program to bring important, leading-edge information and literature to you, thereby helping facilitate the growth of your practice through improved patient outcomes. Biotics Research Corporation products are available exclusively through Healthcare Providers.

Questions? Comments? Biotics Research Corporation wants to hear from you!

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For the Health of Your Patients:

Individuals complaining of gastrointestinal upset, indigestion or heartburn most likely assume their problem stems from an overproduction of stomach acid. This is a common misconception that has been strongly reinforced by television and print advertising that suggests the use of stomach acid blocking products at the slightest sign of discomfort. Paradoxically, the complaints for excessive stomach acid, are almost exactly the same as for someone having too little stomach acid, which is actually more prevalent. Recent studies have supported what many clinicians have known for years that low stomach acid production is common, affecting an estimated 50% of the U.K. population over the age of 50. This may also be problematic for many of those who have consumed a relatively demineralised Standard British Diet (SBD), or for those on low-sodium diets. Gastric juice produced by the stomach contains hydrochloric acid and pepsinogens, precursors of the enzyme pepsin. Hydrochloric acid is a strong mineral acid which functions to maintain gastric pH between 1.5 and 2.5. The highly acidic gastric juice serves many functions, primarily:

- The low pH kills microorganisms in food such as bacteria, yeasts, and parasites, providing a protective barrier
- It activates pepsinogen, and functions as the primary digestive fluid for breaking down (denaturing) proteins, preparing them for assimilation
- It functions as a venting mechanism against the buildup of excessive concentrations of hydrogen ions in blood and interstitial fluids, thereby helping to regulate excessive tissue acidity



For the Health of Your Practice:

All of these features collectively give **Betaine Plus HP™** the advantage of being one of the most beneficial products to the broadest percentage of your patient base. **Betaine Plus HP™** is a source of high potency betaine hydrochloric acid and pepsin in a capsule form. Adequate levels of hydrochloric acid are necessary for adequate absorption of protein, calcium, vitamin B12, vitamin B1, phosphorus, vitamin D, folic acid, zinc, and iron. As a potential methyl donor, Betaine HCl may also be very beneficial in 2-methoxyestradiol production, which is receiving attention for its role as a metabolite which may be helpful for extraneous cellular proliferation. Maintaining normal levels of hydrochloric acid may be beneficial in a wide variety of situations, as deficiencies have been associated with food allergies, yeast overgrowth, and bacterial and parasitic infections. Each capsule of **Betaine Plus HP™** contains 700 mg of Betaine HCl and 10 mg of Pepsin (1:10,000). Most practitioners recommend taking 1 capsule per meal unless otherwise indicated.