



designs for health®

## BRAIN VITALE™

SUPPORT FOR OPTIMAL BRAIN HEALTH AND COGNITIVE FUNCTION  
60 VEGETARIAN CAPSULES | NPN80049153 | BVCN60-CN

**Brain Vitale™** is a comprehensive formula that contains a variety of natural compounds vital to maintaining brain health and cognitive function. Your brain is made up of an estimated 100 billion cells called neurons, with trillions of connections—called synapses—between these cells. As we age, the structure and function of these neurons may naturally become compromised, which can affect memory, learning, concentration and the ability to focus. Factors such as stress, suboptimal blood sugar regulation, excessive alcohol consumption, and certain nutrient deficiencies can affect brain cells and cognitive ability.

### HIGHLIGHTS

**Acetyl L-Carnitine:** a form of the amino acid derivative L-carnitine, which plays an important role in the transport of fatty acids into neuronal mitochondria. Mitochondria are the “power plants” of most cells—the actual site of cellular energy generation. The brain uses as much as 25% of the entire body’s energy supply, so supporting mitochondrial energy production is crucial for memory, sharp thinking and overall cognition.

**Phosphatidylserine (PS):** a vital component of all cell membranes, the protective layer that surrounds cells, including neurons. PS helps support overall brain wellness and helps maintain healthy levels of cortisol, a hormone released in response to stress. Chronic stress may be a factor in declining memory and cognition, so it’s important to support the body and brain during times of stress.

**Glycerophosphocholine (GPC):** a naturally occurring compound in all cells and also in breastmilk. GPC is a supportive nutrient for the brain and a building block for phospholipids, the main structural components of cell membranes—similar to the load-bearing walls of a house. Adequate availability of GPC and synthesis of brain phospholipids may help support healthy memory. (A baby’s growing brain and its constant assimilation of information and sensory input explains why GPC is a critical component in breastmilk.)

**Citicoline:** a substance found in every cell of the body and vital to brain health. It supplies precursors for the synthesis of phospholipids, major constituents of brain tissue. Upon digestion, citicoline is broken down into two compounds:

1. Choline, which crosses the blood-brain barrier and may be used for the production of acetylcholine (a neurotransmitter crucial for memory processing and learning) or the formation of phosphatidylcholine, a structural component of brain cells
2. Cytidine, which boosts the synthesis of cytidine triphosphate, a cofactor for the production of phosphatidylcholine

**Ginkgo biloba:** an herbal extract used in Chinese medicine for over 5000 years. Ginkgo provides critical antioxidant protection and enhances “brain microcirculation,” which is the flow of blood through the body’s smallest vessels. Ginkgo may help to support healthy mood and mental focus.

**Coffee fruit concentrate:** an extract from the whole coffee cherry (including the flesh of the berry that surrounds the coffee bean), which contains several distinctive compounds not found in coffee beans themselves. Coffee fruit concentrate may help support healthy levels of brain-derived neurotrophic factor (BDNF), which has been called “fertilizer for your neurons.” This property is unique to the concentrate and is not observed with brewed coffee, green coffee bean extract, caffeine, or chlorogenic acid, which are other coffee compounds and derivatives. Contains less caffeine per serving than a typical cup of decaf coffee.

**Recommended Dose:** Adults: Take 2 capsules per day with meals, or as directed by your health care practitioner. For use beyond 4 weeks, consult a health care practitioner. Consult with your healthcare practitioner about your specific circumstances and any questions you may have.