

# PERQUE

## Vessel Health Guard™

### LOWER HOMOCYSTEINE: IMPROVE HEALTH\*

#### YOUR PERQUE VESSEL HEALTH GUARD

Healthy, flexible blood vessels and blood flow is essential to:

1. Bring fuel and remove toxic waste from vital organs like your heart, brain, intestines, muscles, kidneys, and liver.\*
2. Keep blood vessels elastic and flexible for your full lifespan.\*
3. Keep brain function clear and well-connected.\*
4. Promote blood vessel health to avoid heart and blood vessel hardening, Alzheimer's senility, and thrombosis (platelet clumps and clots that block blood flow) linked to stroke and heart attacks.\*

**PERQUE Vessel Health Guard** is the only natural and comprehensive solution to these problems.\* It contains the fullest potency, safer, more effective forms of:

1. **B-6 (pharmaceutical purity pyridoxine)**
2. **B-12 (pharmaceutical purity hydroxocobalamin)**
3. **Folate (folacin, vitamin M)**
4. **Magnesium as ascorbate**

All of these are transport activated with mannitol and xylitol for uptake under your tongue as a lozenge.\* This increases rapid, full delivery to your brain and other critical body organs.\*

If you want to keep the flow of blood to vital organs alert and resilient as long as possible, **PERQUE Vessel Health Guard** is your health protector.\*

**PERQUE Vessel Health Guard** can make a significant difference in your health.\*

The difference in 5-year mortality risk was 1,000% or ten-fold different for those with the highest homocysteine, 100% or two-fold difference between the higher and lower levels of homocysteine.\*

#### HOMOCYSTEINE LEVEL: MARKER OF ADEQUATE NUTRIENT INTAKE

Physicians use homocysteine levels to determine blood vessel health status. When your homocysteine level is less than 6:

- your blood vessels are healthier.
- your risk of excessive blood clotting (thrombosis) in the brain (stroke) or heart (coronary occlusion, blocked heart artery) or major blood vessel (arteriosclerosis or atherosclerosis) is lower.

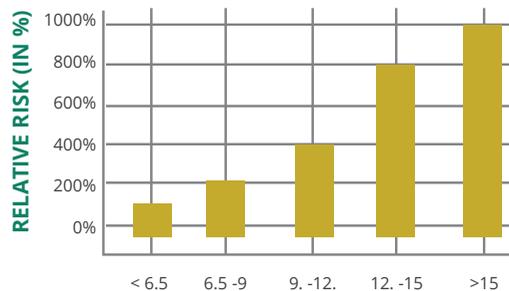
Homocysteine levels tell if you have enough of certain nutrients that activate body catalysts (enzymes) essential for repairing blood vessels.

What about measuring B-12 levels? The standard (Schilling) B-12 test measures the amount of B-12 in the serum. This does not correlate well with the functional amount in your cells, which is why homocysteine levels are functionally predictive of B-12 need. For example, all people on "hypoglycemic" medications show a decrease in cellular B-12 and an increase in homocysteine levels even though their standard B-12 tests remain unchanged. (Gilligan MA. Metformin and vitamin B-12 deficiency. Arch Intern Med. 2002;162:484-485.)

PROTECT ARTERIES AND VEINS\*  
IMPROVE BLOOD FLOW\*  
PROLONG HEALTHY BRAIN FUNCTION\*

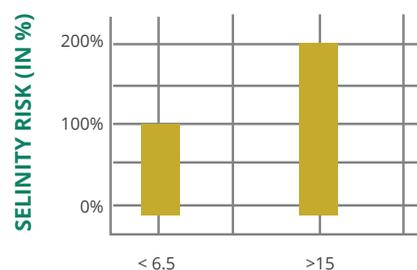


#### THE DIFFERENCE IN FIVE-YEAR MORTALITY



Relative Risk at Different Homocysteine Levels  
Arch Chem. 2004;50:3-32. and Arch Intern Med. 2003;163:1933-1937.

#### THE DIFFERENCE IN SENILITY RISK



Relative Risk of Senility in Relation to Homocysteine Levels  
Arch Chem. 2004;50:3-32. and Arch Intern Med. 2003;163:1933-1937.



ONE PERQUE VESSEL HEALTH GUARD LOZENGE PROVIDES	
ENERGIZED NUTRIENTS	
B-12 (hydroxocobalamin).....	2 mg.
Folate (as calcium folinate) .....	2.5 mg.
Magnesium ascorbate.....	50 mg.
B-6 (pyridoxine).....	10 mg.
Mannitol.....	198 mg.
Sucanat® (organic, whole cane juice) .....	5 mg.
Xylitol.....	20 mg.
100% Whole cherry fruit extract.....	10 mg.
Magnesium (as C16 and C18 alkylst) .....	3 mg.
† from whole untreated fruit and palm leaf	
Other Ingredients : None	
<b>WARNING</b>	<b>TYPICAL DOSAGE</b>
Pregnant and nursing mothers need to check with their health professional before taking supplements.	As a dietary supplement, take one (1) to six (6) lozenges daily or as directed by your health professional. Place lozenge under tongue and let dissolve.
<b>Available in bottles of 90 lozenges.</b>	

**DIFFERENT: PERQUE VESSEL HEALTH GUARD**

**PERQUE** has uniquely formulated high-potency nutritives to activate repair systems and lower homocysteine levels to their healthier levels.\* A useful target level for healthy homocysteine levels is less than 6.

Additional benefits of **PERQUE Vessel Health Guard** include:

1. Reduction or elimination of homocystinuria (loss of sulfur compounds in the urine).\*
2. Reduction or elimination of excess methylmalonic acid (a marker of inefficient metabolism).\*
3. Overall improvement in nutrient uptake by activating enzyme catalysts needed for nutrient assimilation and action.\*
4. Correction of dietary nutrient deficits.\*

**STUDIES TO SUPPORT THE BENEFITS OF PERQUE VESSEL HEALTH GUARD**

1. Tawakol A, Migrino RQ, Aziz KS, Waitkowska J, Holmvang G, Alpert NM, Muller JE, Fischman AJ, Gewirtz H. High-dose folic acid acutely improves coronary vasodilator function in patients with coronary artery disease. *J Am Coll Cardiol* 2005 May 17; 45(10):1580-4.
2. Vermeulen EG, Stehouwer CD, Twisk JW, van den Berg M, de Jong SC, Mackaay AJ, van Campen CM, Visser FC, Jakobs CA, Bültjeris EJ, Rauwerda JA. Effect of homocysteine-lowering treatment with folic acid plus vitamin B6 on progression of subclinical atherosclerosis: a randomised, placebo-controlled trial. *Lancet* 2000 Feb 12; 355(9203):517-22.
3. Refsum H, et. al. Facts and recommendations about total homocysteine determinations: an expert opinion. *Clin Chem* 2004 Jan;50(1):3-32.
4. Doshi S, et. al. Folate improves endothelial function in patients with coronary heart disease. *Clin Chem Lab Med* 2003; 41(11):1505-1512.
5. Weiss N, et. al. Influence of hyperhomocysteinemia on the cellular redox state--impact on homocysteine-induced endothelial dysfunction. *Clin Chem Lab Med* 2003; 41(11):1455-1461.
6. Schroeksnael K, et. al. Hyperhomocysteinemia and immune activation. *Clin Chem Lab Med* 2003; 41(11):1438-1443.
7. Ueland PM, Monsen AL. Hyperhomocysteinemia and B-vitamin deficiencies in infants and children. *Clin Chem Lab Med* 2003; 41(11):1418-1426.
8. Balk EM, et. al. Effects of statins on nonlipid serum markers associated with cardiovascular disease: a systematic review. *Ann Intern Med* 2003; 139(8):670-682.

\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.



**THE PERQUE GUARANTEE**

Like every other **PERQUE** product, **Vessel Health Guard** comes with a 100%, unconditional, money-back guarantee – the strongest guarantee in the natural health industry. This unique guarantee provides the assurance that:

- Every **PERQUE** product provides 100% potency and activity for its entire shelf life.
- Every ingredient used in a **PERQUE** product is pharmaceutical-grade or better.
- All **PERQUE** products dissolve rapidly (usually within 20 minutes), eliminating digestive irritation often found with other brands.
- Full label disclosure is provided for all **PERQUE** products — no hidden ingredients.
- Every **PERQUE** product is activated with the same transporters that are used by nature and in food to ensure full bioavailability. The biologically preferred form of an ingredient is always used for enhanced activity.
- Free of citrus, MSG, wheat/gluten, corn/zein/starch, dairy/casein/whey/milk derivatives, yeast, soy, sulfate, phosphates (other than coenzymes), and preservatives.
- No genetically modified organisms (GMOs).
- Unique post-production assays and clinical bioassays assure product integrity.

**YOUR QUALITY ASSURANCE**

Every **PERQUE** product is produced following or exceeding the FDA's pharmaceutical GMP (Good Manufacturing Practices) regulations.



PERQUE LLC

Phone: 800-525-7372 - Fax: 703-450-2995 - Email: clientservices2@PERQUE.com - www.PERQUE.com