# NORTH CENTURY PHARMACY

# **Clinical Applications**

- Supports Natural Detoxification Mechanisms\*
- Supports Gastrointestinal Health\*
- Supports a Balanced Cytokine Profile\*
- Lactose-Free Vegan Protein Source\*

Vitality Mix is a comprehensive, monk-fruit-extract-sweetened, low-allergy—potential dietary supplement designed to support gastrointestinal (GI) function and balanced detoxification. It features Vegan Protein Blend, North Century Pharmacy 's proprietary amino acid and pea/rice protein blend; Aminogen®, to facilitate protein absorption; phytonutrients; mineral amino acid chelates; and activated B vitamins, including Quatrefolic® and methylcobalamin. In conjunction with a modified elimination diet, Vitality Mix addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.\*

All North Century Pharmacy Formulas Meet or Exceed cGMP Quality Standards

## **Discussion**

Vitality Mix is now sweetened with a natural sweetener extracted from monk fruit. This generally recognized as safe (GRAS) monk-fruit extract offers a high-quality sweetness and flavor without the bitter aftertaste associated with some natural sweeteners.

Like North Century Pharmacy 's other Vitality Mix formulas, Vitality Mix Sugar- & Stevia-Free<sup>‡</sup> contains macro- and micronutrients, as well as a host of ingredients (some patented or proprietary) that support fatty acid metabolism, gastrointestinal health, and healthy eicosanoid and cytokine metabolism. Activated cofactors support mitochondrial energy production needed for biotransformation and detoxification. This formula's ingredients help moderate phase I detoxification, upregulate and support phase II pathways, and provide antioxidant support as well.\*

#### Protein Metabolism

Vegan Protein Blend is North Century Pharmacy 's proprietary blend of pea protein isolate and rice protein concentrate, L-glutamine, glycine, and taurine. Generation of glutathione and sulfation cofactors—vital for phase II conjugation—requires an array of amino acids. The combination of pea protein and rice protein, containing a complement of amino acids, achieves an amino acid score of 100%. Glutamine, a conditionally essential and versatile amino acid with two nitrogen moieties, is crucial to nitrogen metabolism and helps maintain healthy liver tissue and function. The amino acid glycine is needed for bile synthesis, phase II detoxification, and glutathione production. Taurine, a derivative of the sulfur-containing amino acid cysteine, is also important for synthesis of bile salts and helps stabilize cell membranes.\*

#### Gastrointestinal Support

Ginger root, included to support healthy digestion such as the release of bile from the gallbladder, acts at several sites to moderate PGE(2) production and support the normal response to inflammation.<sup>[3]</sup> Fiber (from inulin and flaxseeds) supports production of short-chain fatty acids as well as a healthy intestinal flora. MeadowPure™, an organic flaxseed complex, possesses excellent oxidative stability, supports antioxidant activity, and provides lignins, soluble fiber, and omega-3 and omega-6 essential fatty acids.<sup>[4]</sup> Glutamine plays a key role in healthy intestinal cell proliferation and gut barrier integrity, immune function, and normal tissue healing.\*<sup>[1,2]</sup>

#### Detoxification Support

Green tea catechins not only support antioxidant activity but also appear to act as modulators of phase I and phase II detoxification. [5] Choline is present to support lipid metabolism in the liver and can be converted to betaine, a methyl donor.\*[6]

The active, bioavailable form of **B vitamins** (pyridoxal-5'-phosphate (B6), 5-methyltetrahydrofolate (folate), methylcobalamin (B12)) and glycine all support amino acid conjugation and are vital for the detoxification of xenobiotics and xenoestrogens. 5-methyltetrahydrofolate (5-MTHF), methylcobalamin, betaine, and **methylsulfonylmethane** (MSM) are present to support methylation and detoxification. 5-MTHF supports healthy folate nutrition, especially in individuals with variations in folate metabolism. In Vitality Mix, 5-MTHF is provided as Quatrefolic® for enhanced stability, solubility, and bioavailability.\*<sup>[7]</sup>

Preventium®, a patented form of potassium hydrogen d-glucarate, supports glucuronidation. Sulfation is supported by MSM and sodium sulfate. Acetylation is supported by d-calcium pantothenate, pyridoxal-5'-phosphate, and magnesium. Several minerals in Vitality Mix are provided as Albion® mineral chelates and TRAACS® mineral amino acid chelates for enhanced gastrointestinal absorption and bioavailability.\*<sup>[8]</sup>

#### Antioxidant Support and Cytokine Balance

Bioflavonoids, quercetin, rutin, and curcumin support antioxidant activity, counter free radicals, and support healthy eicosanoid and cytokine metabolism.<sup>[9,10]</sup> Curcumin has a long history of use for its support of a normal, healthy response to inflammation.<sup>[11]</sup> N-acetyl-cysteine (NAC) stimulates glutathione synthesis, enhances glutathione-S-transferase activity, and promotes detoxification.<sup>[12]</sup> Selenium glycinate provides support for glutathione metabolism and antioxidant protection.\*

\*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.

# Vanilla Delight Sugar- & Stevia-Free<sup>‡</sup>

# Supplement Facts

Saturated Fat 8 g 10%; Saturated Fat 8 g 10%; Saturated Fat 2 g 10%; Saturated Fat 2 g 10%; Dietary Fiber 4 g 14%; Dietary Fiber 4 g 14%; Staturated Eat 2 g 10%; Dietary Fiber 4 g 14%; Dietary Fiber 7 d 14%; Saturated Eat 2 g 10%; Dietary Fiber 8 d 10%; Saturated Fat 2 g 10%; Dietary Fiber 9 d 14%; Dietary Fiber 9 d 14%; Dietary Fiber 9 d 14%; Saturated Eat 2 g 10%; Dietary Fiber 9 d 14%; Dietary Fiber 9 d 14%; Saturated Fat 2 g 10%; Dietary Fiber 9 d 14%; Saturated Fat 2 g 10%; Dietary Fiber 9 d 14%; Stabilized Flaxseed 18,646 Content 1,28 g 10%; Pomparante Extract (Funica granatum) (whole fruit) (30% 400 mg 10%; Stabilized Flaxseed 19,646 Content 1,28 g 10%; Stabilized Fla							
saturated Fat 2 g 10%1 Saturated Fat 2 g 10%1 Saturated Fat 2 g 10%1 Total Carbohydrate 10 g 4%1 Typical Linoleic Acid Content 1 g 400 mg 1 g 400 m		Amount Per Serving	%DV	Amount Per	Serving	%DV	
Saturated Fat 2 g 10%   Saturated Fat 2 g 10%   Otal Carbohydrate 10 g 4%   Dietary Fiber 4 g 14%   Dietary Fiber 4 g 14%   Stabilized Flaussed 5.6 g • Trotein (from Pea Protein Isolate and Rice Protein Concentrate) 26 g   Trainin A (as natural beta-carotene) 750 mcg 83%   Itamin (as standard beta-carotene) 250 mg 278%   Phiamin (as thiamine HCl) 15 mg 1250%   Dietary Fiber 4 g 14%   Stabilized Flaussed 5.6 g • Typical Alpha-Linolenic Acid Content 1.28 g • Typical Alpha-Linolenic Acid Content 1.28 g • Typical Linolenic Acid Content 1.28 g • Typical Alpha-Linolenic Acid Content 1.28 g • Typical Linolenic Acid Content 1.28 g • Typical Alpha-Linolenic Acid Content 1.28 g • Typical Linolenic Acid Content 1.28 g	Calories	210		Sodium (from ingredients with naturally occurring sodium, sodium	560 mg	24%	
obtal Carbohydrate 10 9 4%1  Dietary Fiber 4 9 14%  Dietary Fiber 2 9 14%  Totein (from Pea Protein Isolate and Rice Protein Concentrate) 26 9 (Itamin A (as natural beta-carotene) 750 mog 83%  Itamin C (as sodium ascorbate) 250 mg 278%  Itamin (as thiamine HCl) 15 mg 1250%  Itamin (as thiamine HCl) 15 mg 1250%  Itamin (as thiamine HCl) 15 mg 250%  Itamin (as niacinamide and niacin) 40 mg 250%  Itamin B (as pyridoxal 5'-phosphate sodium) 5 mg 385%  Itamin B (as pyridoxal 5'-phosphate sodium) 5 mg 294%  Itamin B (as shacinamide and niacin) 40 mg 250%  Itamin B (as shacinamide and niacin) 40 mg 250%  Itamin B (as shacinamide and niacin) 40 mg 250%  Itamin B (as shacinamide and niacin) 40 mg 250%  Itamin B (as shacinamide and niacin) 40 mg 250%  Itamin B (as shacinamide and niacin) 50 mg 294%  Itamin B (as shacinamide and niacin) 50 mg 298%  Itamin B (as shacinamide and niacin) 50 mg 298%  Itamin B (as shacinamide and niacin) 50 mg 298%  Itamin B (as methylcobalamin) 50 mg 298%  Itamin B (as choline bitartrate) 150 mg 700%  Inoline (as choline bitartrate) 150 mg 18%  Inoline (as choline bitartrate) 100 mg 18%  Indie (as choline bitartrate) 500%  Ino (naturally occurring) 5 mg 28%  Inoline (as potassium iodide) 60 mg 40%  Itamin B (as pyridoxal 5'-phosphate sodium) 500 mg 182%  Itamin B (as pyridoxal 5'-phosphate sodium) 500 mg 28%  Itamin B (as methylcobalamin) 50 mg 28%	Total Fat	8 g	10%1	sulfate anhydrous, and sodium ascorbate)			
Dietary Fiber	Saturated Fat	2 g	10%1		455 mg	10%	
Stabilized Flaxseed 5.6 g  from Pea Protein Isolate and Rice Protein Concentrate) 26 g  framin A (as natural beta-carotene) 750 mcg 83%	Total Carbohydrate	10 g	4%1	occurring potassium)			
rotein (from Pea Protein Isolate and Rice Protein Concentrate) 26 g  fitamin A (as natural beta-carotene) 750 mog 83% fitamin C (as sodium ascorbate) 250 mg 278% hiamin (as thiamine HCl) 15 mg 1250% biboflavin (as riboflavin 5'-phosphate sodium) 5 mg 385% liacin (as niacinamide and niacin) 40 mg 250% liacin (as niacinamide and niacin) 5 mg 294% loucesamine salt) <sup>31</sup> liacin (as (6S)-5-methyltetrahydrofolic acid, uccesamine salt) <sup>31</sup> liacin (as d'-adicium pantothenate) 35 mg 700% holine (as choline bitartrate) 100 mg 18% ladicium (as dicalcium malatele and and 225 mg 17% lorine (as potassium iodide) 5 mg 28% ladicium (as di-maturally occurring) 5 mg 28% ladici	Dietary Fiber	4.9	14%	Christiand Flouresed	E C =		
Itamin A (as natural beta-carotene)   750 mcg   278%   Typical Linoleic Acid Content   392 mg   1	Protein (from Pea Protein Isolate and Rice Protein Co	incentrate) 26 g					
Itamin C (as sodium ascorbate)   250 mg   278%   Pomegranate Extract (Punica granatum) (whole fruit) (30%   400 mg   15 mg   15 mg   1250%   punicalagins A+B and punicalins A+B)   Estaine Anhydrous (trimethyloptoine)   250 mg   15 mg   15 mg   250 mg   15 m	Vitamin A (as natural beta-carotene)	750 mcg	83%				
hiborhamin (as thiamine HCl) biboflavin (as riboflavin (3-phosphate sodium) 5 mg 385% Betaine Anthydrous (trimethylghycine) 250 mg ** lacin (as niacinamide and niacin) 40 mg 250% Etamin B6 (as pyridoxal 5'-phosphate) 5 mg 294% (fruit peel)(25% bioflavonoids) 60ate (as [6S]-5-methyltetrahydrotolic acid, flucosamine sait)**  flamin B12 (as methylcobatamin) 50 mcg 2083% flamin B12 (as methylcobatamin) 60 mcg 400% cantothenic Acid (as d-calcium pantothenate) 100 mg 18% flamin B12 (as methylcobatamin) 60 mcg 40% calcium (as dicalcium malate)** alicium (	Vitamin C (as sodium ascorbate)	250 mg	278%	-,,		•••	
Section   Sect	Thiamin (as thiamine HCI)	15 mg	1250%	punicalagins A+B and punicalins A+B)			
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olate (as [6S]-5-methyltetrahydrofolic acid, flucosamine salt) <sup>51</sup> fitamin B12 (as methylcobalamin)  fitami	Niacin (as niacinamide and niacin)	40 mg	250%		250 mg		
fatamin B12 (as methylcobalamin)   50 mog   2083%   Fotassium d-glucarate <sup>1/3</sup>   250 mg   150 mg   1	Vitamin B6 (as pyridoxal 5'-phosphate)	5 mg	294%				
So may   S	Folate (as [6S]-5-methyltetrahydrofolic acid, glucosamine salt) <sup>51</sup>	340 mcg DFE	85%	(as quercetin dihydrate from Dimorphandra mollis)(pod)			
**Turmeric Extract (Curcuma longal)(rhizome)(95% total curcuminoids, and volatile oils)(86% curcuminoids, complex, including curcumin, curcuminoids, and volatile oils)(86% curcuminoids)(65% curcuminoids) and volatile oils)(86% curcuminoids)(65% curcuminoids)(65% curcuminoids) and volatile oils)(86% curcuminoids)(65% c	Vitamin B12 (as methylcobalamin)	50 mcg	2083%				
Samp   100 mg   18%   curcuminoids complex, including curcumin, curcuminoids, and volatile oils)(86% curcuminoids)(65% curcuminoids)   150 mg	Biotin	150 mcg	500%				
tholine (as choline bitartrate)  alcium (as dicalcium malate <sup>122</sup> and 225 mg 17%  N-Acetyl-L-Cysteine 150 mg Ginger (Zingiber officinale) (fhizome)  son (naturally occurring)  soline (as potassium iodide)  flag gresium (as di-magnesium malate) <sup>122</sup> 140 mg 33%  finc (as zinc bisglycinate chelate) <sup>122</sup> soline (as selenium glycinate complex) <sup>123</sup> flanganese (as manganese bisglycinate chelate) <sup>124</sup> fanganese (as manganese bisglycinate chelate) <sup>125</sup> for mg 182%  flanganese (as manganese bisglycinate chelate) <sup>126</sup> for mg 171%  for mg 182%  flanganese (as manganese bisglycinate chelate) <sup>126</sup> flanganese (as manganese bisglycinate chelate) <sup>127</sup> flanganese (as manganese bisglycinate chelate) <sup>128</sup> flanganese (a	Pantothenic Acid (as d-calcium pantothenate)	35 mg	700%		200 mg	•••	
Activity (as dicalcium malateix and significant production of (naturally occurring)  5 mg 28%    Methylsulfory/methane (MSM)  5 off mod 40%    Methylsulfory/methane (MSM)  6 off mod 40%    Methylsulfory/methane (MSM)  8 off mod 40%    Methylsulfory/met	Choline (as choline bitartrate)	100 mg	18%				
Ginger (Zingiber officinale) (frizome)   150 mg   150 m	Calcium (as dicalcium malate <sup>12</sup> and	225 mg	17%		150 mg	••	
ton (naturally occurring)  5 mg  28%  Methylsulfornylmethane (MSM)  120 mg  **  Sodium Sulfate Anhydrous  100 mg  **  Sodium Sulfate Anhydrous  100 mg  **  Green Tea Aqueous Extract (Camellia sinensis)(leaf) (80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine)  **  Inc (as zinc bisglycinate chelate) <sup>12</sup> 100 mg  182%  fanganese (as manganese bisglycinate chelate) <sup>12</sup> 2 mg  87%  **  Percent Daily Values (DV) are based on a 2,000 calorie diet.  **  Daily Value not established.  **  **  **  **  **  **  **  **  **	ingredients with naturally occurring calcium)					••	
dine (as potassium iodide)  fagnesium (as di-magnesium malate) <sup>1/2</sup> fagnesium (as di-magnesium malate) <sup>1/2</sup> far (as zinc bisglycinate chelate) <sup>1/2</sup> fanganese (as manganese	Iron (naturally occurring)	5 mg	28%			•••	
fagnesium (as di-magnesium malate) <sup>1/2</sup> 140 mg 33%  Green Tea Aqueous Extract (Camellia sinensis)(leaf) 82 mg **  (80% polyphenots, 60% catechins, 30% EGCG, 6% caffeine)  100 mcg 182%  fanganese (as manganese bisglycinate chelate) <sup>1/2</sup> 2 mg 87%  freen Tea Aqueous Extract (Camellia sinensis)(leaf) 82 mg **  (80% polyphenots, 60% catechins, 30% EGCG, 6% caffeine)  † Percent Daily Values (DV) are based on a 2,000 calorie diet.  **Daily Value not established.	lodine (as potassium iodide)	60 mcg	40%				
inc (as zinc bisglycinate chelate) <sup>52</sup> 10 mg 91% (80% polyphenots, 60% catechins, 30% EGCG, 6% caffeine)  elenium (as selenium glycinate complex) <sup>52</sup> 100 mcg 182%  fanganese (as manganese bisglycinate chelate) <sup>52</sup> 2 mg 87%  thromium (as chromium ricotinate glycinate chelate) <sup>52</sup> 60 mcg 171%  † Percent Daily Values (DV) are based on a 2,000 calorie diet.  - Daily Value not established.	Magnesium (as di-magnesium malate) <sup>s2</sup>	140 mg	33%				
flanganese (as manganese bisglycinate chelate) <sup>12</sup> 2 mg 87%  † Percent Daily Values (DV) are based on a 2,000 calorie diet.  - Daily Value not established.	Zinc (as zinc bisglycinate chelate)52	10 mg	91%	(80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine)	or mg		
thromium (as chromium nicotinate glycinate chelate) <sup>52</sup> 60 mcg 171% Daily Value not established.	Selenium (as selenium glycinate complex) <sup>52</sup>	100 mcg	182%	And the state of t			
anomium (as caronium nicotriate grycinate crieate) 60 mcg 171%	Manganese (as manganese bisglycinate chelate) <sup>12</sup>	2 mg	87%				
folybdenum (as molybdenum glycinate chelate) <sup>12</sup> 35 mcg 78%	Chromium (as chromium nicotinate glycinate chelate)	se 60 mcg	171%	- Daily Value not established.			
	Molybdenum (as molybdenum glycinate chelate) <sup>52</sup>	35 mcg	78%	1			

Other Ingredients: Sunflower oil, natural flavors (no MSG), medium-chain triglyceride oil, taurine, glycine, cellulose gum, xanthan gum, fungal proteases<sup>55</sup>, L-glutamine, monk fruit extract, guar gum, and silica.



S1. Quatrefolic® is a registered trademark of Gnosis

Quatrefolic\* S.p.A. Produced under US Patent 7,947,662.



5.561,160).

S2. Albion®, DimaCal®, TRAACS®, and the Albion Gold Medallion® are registered trademarks of Albion Laboratories, Inc. Malates covered by US patent 6,706,904.

\$3. Preventium® is a registered trademark of Applied Food Sciences, LLC. (US patents 4,845,123, 5,364,644,



7,736,679; and 7,879,373. S5. AMINOGEN® is a registered trademark of Innophos

S4. BCM-95® is an exclusivity licensed registered trademark to

Arjuna Natural Pvt Ltd. Protected under US patents 7,883,728;

AMINOGEN® is protected under U.S. patent 5,387,422.

## **Directions**

Blend, shake, or briskly stir 2 level scoops (53 g) into 10-12 ounces chilled, pure water (or mix amount for desired thickness) and consume once daily, or use as directed by your healthcare professional.

Consult your healthcare professional prior to use. Individuals taking medication should discuss potential interactions with their healthcare professional. Do not use if tamper seal is damaged.

## Formulated To Exclude

Wheat, gluten, yeast, soy, animal and dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, and artificial preservatives.

Typical Amino Acid Pr	ofile Per Serving:		
Alanine	1,280 mg	Methionine	330 mg
Arginine	2,580 mg	Phenylalanine	1,630 mg
Aspartic Acid	3,400 mg	Proline	1,340 mg
Cysteine	300 mg	Serine	1,570 mg
Glutamic Acid	4,990 mg	Threonine	1,160 mg
Glycine	1,720 mg	Taurine	500 mg
Histidine	740 mg	Tryptophan	300 mg
Isoleucine	1,330 mg	Tyrosine	1,130 mg
Leucine	2,490 mg	Valine	1,490 mg
Lysine	2,120 mg		

‡This formula is not a low-calorie dietary supplement. Please see the Supplement Facts panel for more details.

### References

- 1. Smith RJ, Wilmore DW. Glutamine nutrition and requirements. JPEN J Parenter Enteral Nutr. 1990 Jul-Aug;14(4 Suppl):94S-99S. Review. [PMID: 2119461]
- 2. Lacey JM, Wilmore DW. Is glutamine a conditionally essential amino acid? Nutr Rev. 1990 Aug;48(8):297-309. Review. [PMID: 2080048]
- 3. Lantz RC, Chen GJ, Sarihan M, et al. The effect of extracts from ginger rhizome on inflammatory mediator production. Phytomedicine. 2007 Feb;14(2-3):123-28. [PMID: 16709450] 4. Adolphe JL, Whiting SJ, Juurlink BH, Thorpe LU, Alcorn J. Health effects with consumption of the flax lignan secoisolariciresinol diglucoside. Br J Nutr. 2010 Apr;103(7):929-38. Review. [PMID: 20003621]
- 5. Akhlaghi M, Bandy B. Dietary green tea extract increases phase 2 enzyme activities in protecting against myocardial ischemia-reperfusion. Nutr Res. 2010 Jan;30(1):32-39. [PMID:
- 6. Linus Pauling Institute. http://lpi.oregonstate.edu/infocenter/othernuts/choline/. Accessed May 8, 2012.
- Quatrefolic. http://www.quatrefolic.com/. Accessed May 8, 2012.
- 8. Albion. http://www.albionminerals.com/. Accessed May 8, 2012.
- 9. Garg R, Gupta S, Maru GB. Dietary curcumin modulates transcriptional regulators of phase I and phase II enzymes in benzo[a]pyrene-treated mice: mechanism of its anti-initiating action. Carcinogenesis. 2008 May;29(5):1022-32. [PMID: 18321868]
- Amália PM, Possa MN, Augusto MC, et al. Quercetin prevents oxidative stress in cirrhotic rats. Dig Dis Sci. 2007 Oct;52(10):2616-21. [PMID: 17431769]
- 11. Jurenka JS. Anti-inflammatory properties of curcumin, a major constituent of Curcuma longa: a review of preclinical and clinical research. Altern Med Rev. 2009 Jun;14(2):141-53. Review. Erratum in: Altem Med Rev. 2009 Sep;14(3):277. [PMID: 19594223]
- 12. Kelly GS. Clinical applications of N-acetylcysteine. Altern Med Rev. 1998 Apr;3(2):114-27. Review. [PMID: 9577247]

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