

# Biogenetix

## MDS

Supports Methylation Reactions in the Liver



Biogenetix™  
Nutrition Uncompromised



### Supplement Facts

Serving size: 2 capsules

Servings per container: 45

	Amount Per 2 Capsules	% DV
Vitamin C (as ascorbic acid)	37 mg	61%
Vitamin E (as d-alpha Tocopherol succinate)	13 IU	43%
Riboflavin (as Riboflavin, Riboflavin-5-Phosphate)	7 mg	411%
Niacin (as niacin)	4 mg	20%
Vitamin B6 (as Pyridoxal-5-Phosphate)	6 mg	300%
Folate (as Levomefolate calcium)	574 mcg	143%
Vitamin B12 (as Methylcobalamin)	505 mcg	8416%
Biotin	766 mcg	255%
Magnesium (as magnesium citrate nonahydrate)	88 mg	22%
Trimethylglycine (TMG)	387 mg	*
Betaine HCL	36 mg	*
MSM(methylsufonylmethane)	36 mg	*
Choline(as Choline Bitartrate)	16 mg	*
S-Anenosylmethionine(SAM-e)	31 mg	*
N-Acetyl-Cysteine	15 mg	*

\*Daily Value (DV) not established.

### Purpose of Product:

- Supports Phase II methylation reactions in the liver.
- Supports proper homocysteine metabolism.
- Supports the production and metabolism of bile.
- Supports a healthy liver.

### Use of Product:

MDS is a broad spectrum nutritional formulation that supports methylation reactions and in turn supports proper homocysteine metabolism. MDS also supports the production and metabolism of bile and supports a healthy liver.

### Directions:

As directed by your health care provider.

**DOES NOT CONTAIN:** Sugar, wheat, casein, gluten, soy, milk, egg, preservatives, yeast, artificial flavorings, colorings, peanuts, tree nuts or fish.





Biogenetix

1. Allen RH, et al. Serum betaine, N,N-dimethylglycine and N-methylglycine levels in patients with cobalamin deficiency and related inborn errors of metabolism. *Metab.* 1993;42(11):1448-1460.
2. Brattstoerm L, et al. Plasma homocysteine in women on oral oestrogen-containing contraceptives and in men with oestrogen-treated prostatic carcinoma. *Scand J Clin Lab Invest.* 52, 1982:283-287.
3. Butterworth CE, et al. Folate deficiency and cervical dysplasia. *JAMA.* 1992; 267:528-533.
4. Finkelstein JD. Homocysteine: a history in progress. *Nutr Rev.* 2000;58(7):193-204.
5. Krumdieck CL, Prince CW. Mechanisms of homocysteine toxicity on tissues: implications of morbidity of aging. *J Nutr.* 2000;130:365S-368S.
6. Lindenbaum J, et al. Neuropsychiatric disorders caused by cobalamin deficiency in the absence of anemia or macrocytosis. *N Eng J Med.* 1988;318:1720-1728.
7. Smithells RW, et al. Possible prevention of neural-tube defects by periconceptional vitamin supplementation. *Lancet*, Feb 16, 1980:339-342.
8. Smythies JR. The role of the one-carbon cycle in neuropsychiatric disease. *Biol Psychiatry.* 1984;19(5):755-758.
9. Zingh JM, Jones PA. Genetic and epigenetic aspects of DNA methylation on genome expression, evolution, mutation and carcinogenesis. *Carcinogenesis.* 1997; 18(5):869-882.



The research citations included should not be construed as, and is not a claim for the performance of this product. To be provided by health care professionals only. The dosage recommendations are only for your health care provider's consideration. Please consult your health care provider for your individual dosing instructions. This product is for nutritional purposes only. It is advisable to consult your health care provider before starting a nutritional supplement program or before using these or any product during pregnancy or if you have a serious medical condition. This product or the information provided is not designed to diagnose, treat, reverse, cure or prevent any disease. This product is not intended to replace or delay the use of prescription medication. These statements have not been evaluated by the FDA.