



FOOD
SUPPLEMENT



Myo-inositol, D-Chiro inositol,
Morus Alba L., Zinc, Cinnamon,
Vit. B6, B12, D3 and Folic Acid (Quatrefolic®)

Dermolivo Metabolico is a food supplement based on **Myo-inositol, D-Chiro inositol, Morus Alba L., Zinc, Cinnamon, Vit. B6, B12, D3** and **Folic Acid (Quatrefolic®)** with edulcorant. **Folic Acid, Vitamins B6 and B12** contribute to the normal metabolism of homocysteine. **Zinc** contributes to normal fertility and normal reproduction. **Vitamin D** is involved in the cell division process.

How to use: take 1 sachet per day, to be dissolved in a glass of water.

Average content	for 1 stickpack	% NRV*
Myo-inositol	2g	
Cinnamomum verum J.Presl	300mg	
Morus alba L.	200mg	
Of wich 1-deossinojirimicina	2mg	
D-Chiro inositol	20mg	
Zinc	7,5mg	75%
Vitamin B6	1mg	71,43%
Vitamin B9 (Quatrefolic®)	200mcg	100%
Vitamin D3	5mcg	100%
Vitamin B12	1,9mcg	76%

Storage: Store in a dry place, away from heat sources. The expiry date refers to the product properly stored in its undamaged packaging.

Gluten and lactose free formula

*NRV = Nutrient Reference Value
(according to Reg. EU No. 1169/2011)

Bibliography:

1.Genazzani AD. Inositol as putative integrative treatment for PCOS. Reprod Biomed Online. 2016 Dec;33(6):770-780. doi: 10.1016/j.rbmo.2016.08.024. Epub 2016 Sep 16. PMID: 27717596. 2. Bizzarri M, Monti N, Piombaro A, Angeloni A, Verna R. Myo-Inositol and D-Chiro-Inositol as Modulators of Ovary Steroidogenesis: A Narrative Review. Nutrients. 2023 Apr 13;15(8):1875. doi: 10.3390/nu15081875. PMID: 37111094; PMCID: PMC10145676. 3. DiNicolantonio JJ, H O'Keefe J. Myo-Inositol for insulin resistance, metabolic syndrome, polycystic ovary syndrome and gestational diabetes. Open Heart. 2022 Mar;9(1):e001989. doi: 10.1136/openhrt-2022-001989. PMID: 35236761; PMCID: PMC8896029. 4. Kalra B, Kalra S, Sharma JB. The inositols and polycystic ovary syndrome. Indian J Endocrinol Metab. 2016 Sep-Oct;20(5):720-724. doi: 10.4103/2230-8210.189231. PMID: 27730087; PMCID: PMC5040057. Laganà AS, Garzon S, Casarin J, Franchi M, Ghezzi F. 5. Inositol in Polycystic Ovary Syndrome: Restoring Fertility through a Pathophysiology-Based Approach. Trends Endocrinol Metab. 2018 Nov;29(11):768-780. doi: 10.1016/j.tem.2018.09.001. Epub 2018 Sep 27. PMID: 30270194. 6. Thondre PS, Butler I, Tammam J, Achebe I, Young E, Lane M, Gallagher A. Understanding the Impact of Different Doses of Reducose® Mulberry Leaf Extract on Blood Glucose and Insulin Responses after Eating a Complex Meal: Results from a Double-Blind, Randomised, Crossover Trial. Nutrients. 2024 May 29;16(11):1670. doi: 10.3390/nu16111670. PMID: 38892603; PMCID: PMC11174565. 7. Lee S, Lee MS, Chang E, Lee Y, Lee J, Kim J, Kim CT, Kim IH, Kim Y. Mulberry Fruit Extract Promotes Serum HDL-Cholesterol Levels and Suppresses Hepatic microRNA-33 Expression in Rats Fed High Cholesterol/Cholic Acid Diet. Nutrients. 2020 May 21;12(5):1499. doi: 10.3390/nu12051499. PMID: 32455724; PMCID: PMC7284868. 8. Cui W, Luo K, Xiao Q, Sun Z, Wang Y, Cui C, Chen F, Xu B, Shen W, Wan F, Cheng A. Effect of mulberry leaf or mulberry leaf extract on glycemic traits: a systematic review and meta-analysis. Food Funct. 2023 Feb 6;14(3):1277-1289. doi: 10.1039/d2fo02645g. PMID: 36644880. 9. Cirillo M, Coccia ME, Attanasio M, Fatini C. Homocysteine, vitamin B status and MTHFR polymorphisms in Italian infertile women. Eur J Obstet Gynecol Reprod Biol. 2021 Aug;263:72-78. doi: 10.1016/j.ejogrb.2021.06.003. Epub 2021 Jun 15. PMID: 34167037. 10. Ji Y, Tan S, Xu Y, Chandra A, Shi C, Song B, Qin J, Gao Y. Vitamin B supplementation, homocysteine levels, and the risk of cerebrovascular disease: a meta-analysis. Neurology. 2013 Oct 8;81(15):1298-307. doi: 11. 1212/WNL.0b013e3182a823cc. Epub 2013 Sep 18. PMID: 24049135. 12. Thornburgh S, Gaskins AJ. B vitamins, polycystic ovary syndrome, and fertility. Curr Opin Endocrinol Diabetes Obes. 2022 Dec 1;29(6):554-559. doi: 10.1097/MED.0000000000000773. Epub 2022 Sep 27. PMID: 36165609. 13. Miraglia N, Agostinetti M, Bianchi D, Valoti E. Enhanced oral bioavailability of a novel folate salt: comparison with folic acid and a calcium folate salt in a pharmacokinetic study in rats. Minerva Ginecol. 2016 Apr;68(2):99-105. PMID: 27008238. 14. Bacanakkil BH, İlhan G, Ohanoğlu K. Effects of vitamin D supplementation on ovarian reserve markers in infertile women with diminished ovarian reserve. Medicine (Baltimore). 2022 Feb 11;101(6):e28796. doi: 10.1097/MD.00000000000028796. PMID: 35147111; PMCID: PMC8830860. 15. Maleki V, Faghfour AH, Tabrizi PPF, Moludi J, Saleh-Ghadimi S, Jafari-Vayghan H, Qaisar SA. Mechanistic and therapeutic insight into the effects of cinnamon in polycystic ovary syndrome: a systematic review. J Ovarian Res. 2021 Oct 9;14(1):130. doi: 10.1186/s13048-021-00870-5. PMID: 34627352; PMCID: PMC8502340. 16. Kort DH, Lobo RA. Preliminary evidence that cinnamon improves menstrual cyclicity in women with polycystic ovary syndrome: a randomized controlled trial. Am J Obstet Gynecol. 2014 Nov;211(5):487.e1-6. doi: 10.1016/j.ajog.2014.05.009. Epub 2014 May 9. PMID: 24813595.

info@dermolivo.it | www.dermolivo.com

Training material for internal use only



Supports normal fertility
and normal hormonal activity

Coadjuvant in the treatment
of metabolic syndrome



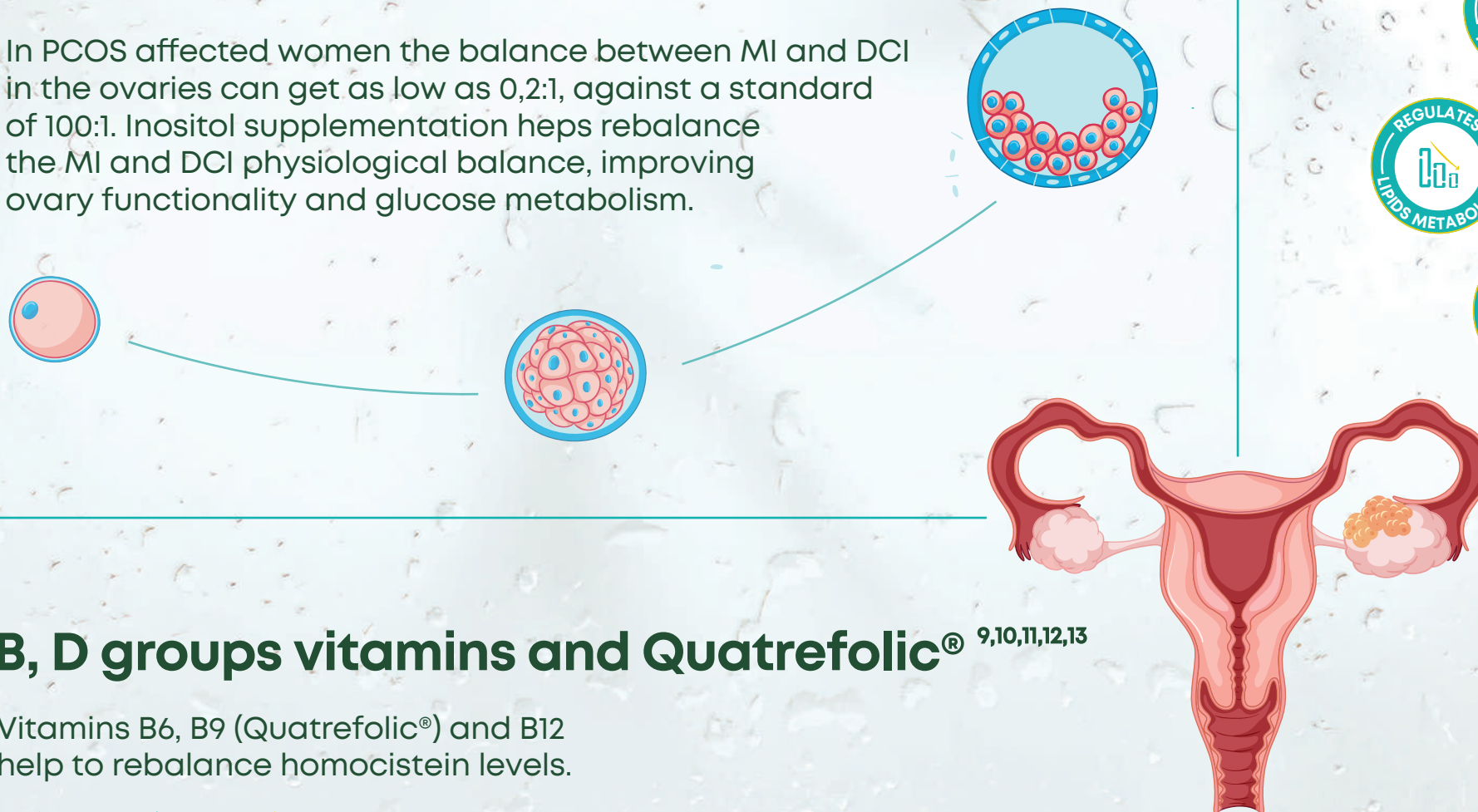
Myo and D-Chiro Inositol ^{1,2,3,4,5}

REGULATE GLUCOSE METABOLISM

REDUCE INSULINE RESISTANCE

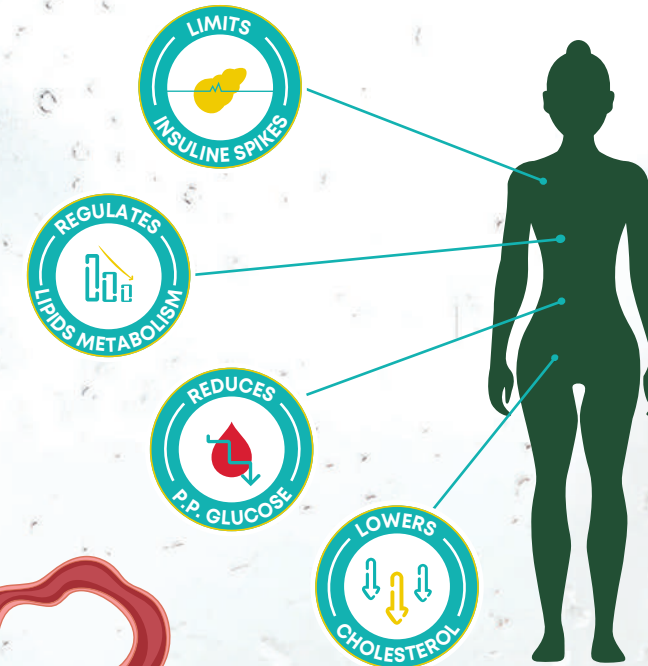
SUPPORT FERTILITY

In PCOS affected women the balance between MI and DCI in the ovaries can get as low as 0,2:1, against a standard of 100:1. Inositol supplementation helps rebalance the MI and DCI physiological balance, improving ovary functionality and glucose metabolism.



Mulberry leaf extract ^{6,7,8}

Mulberry leaf extract has been shown to reduce postprandial glucose and insulin spikes, making it a useful adjunct in managing metabolic syndrome. Its bioactive compounds (alkaloids, flavonoids, polysaccharides) may also lower triglycerides and total cholesterol while regulating glucose, amino acid, and lipid metabolism.



REGULATES LIPIDS METABOLISM

LIMITS INSULINE SPIKES

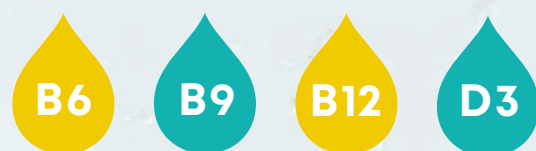
LOWERS CHOLESTEROL

REDUCES GLUCOSE



B, D groups vitamins and Quatrefolic® ^{9,10,11,12,13}

Vitamins B6, B9 (Quatrefolic®) and B12 help to rebalance homocysteine levels.



Vitamin D helps maintaining ovary reserves in women with insulin resistance.

Quatrefolic® VS. Normal Folic Acid

Normal folic acid is not biologically active and needs to be converted to the metabolically active 5-methyltetrahydrofolate (5-MTHF). Some people cannot properly produce the enzyme needed for this process. Quatrefolic® is the glucosamine salt of (6S)-5-methyltetrahydrofolate and delivers a finished folate the body can immediately use.



Cinnamon ^{14,15}

A systematic review on supplementation with cinnamon in patients with PCOS showed that increased high-density lipoprotein and insulin sensitivity were increased by the cinnamon supplementation while low-density lipoprotein, triglyceride, and blood glucose were decreased in patients with PCOS. Another study done on women with PCOS suggests that cinnamon supplementation significantly improves menstrual cyclicity.

Cinnamon ■
Placebo ■

