

# Foldtrs Quatrefolic/Vit B12/lodine/Vit D3

The Right Support

with Quatrefolic.



## **FOLATTRO**

Folattro with patented Quatrefolic technology, which is 4th generation folate, is a special formula containing 4 essential elements for mother and baby during pregnancy.

Quatrefolic	lodine	
The 4th generation	preventable brain	
folate	damage	
Vitamin B12	Vitamin D	
healthy functioning	strong bones	
of the nervous system	and teeht	





## QUATREFOLIC 1-4

#### **GLUCOSAMINE SALT**

 has a 100% higher solubility in water than 5-MTH folate, which is Quatrefolic calcium salt.

#### **BIOAVAII ABII ITY**

 a plasmatic (6S)-5-MTHF concentration peak about3 times higher for Quatrefolic® than folic acid.

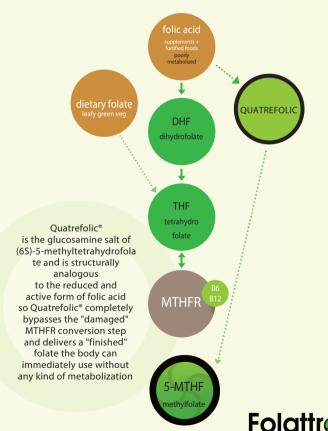
#### **TRUSTWORTHINESS**

 As a an extended-release folate, Quatrefolic glucosamine is metabolised in the most natural way by the human body.

#### **SOLUBILITY**

The bioavailability of an active ingredient is directly related to its solubility

Chronology The generations of folate 1st generation folate (food) 2nd \ generation folate (synthetic 3rd generation folate (reduced folate) 4th generation folate Quatrefolic

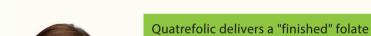


## VITAMIN B12

#### Vitamin B12 + Folic Acid

Folic acid is not biologically active and needs to be converted into the metabolically active 5-MTHF through a multi-steps.

By preventing the development of anaemia, it masks B12 vitamin deficiency. Over time this leads to degeneration in the nerve cells and brain functions.



Quatrefolic delivers a "finished" folate the body can immediately use without any kind of metabolization.

Vitamin B12 + Ouatrefolic®-Folate

Quatrefolic® is unlikely to mask the vitamin B12 deficiency and its hematologic symptoms being the pathway where it is involved vitamin B12 dependent.<sup>5</sup>



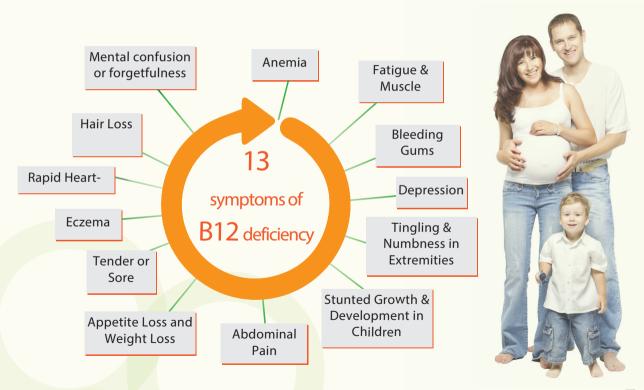
Using Vitamin B12 and 5-MTHF folate together reduces the risk of neural tube defects much more than taking folic acid on its own.

FOLATTRO
helps reduce the risk of
neural tube defects with 400 µg folate"778 µg Quatrefolic".6





## People at risk of vitaminB12 deficiency 5,7,8







## **IODINE**

lodine deficiency during pregnancy and breast-feeding is a contributing factor to preventable mental retardation.<sup>9</sup>

- Inadequate iodine intakes during pregnancy result in fetalloss, stillbirths, cretinism, and mental retardation of the newborn infant.<sup>10</sup>
- For this reason, it is important to take iodine supplements of between 100-150 µg, particularly during pregnancy.<sup>11</sup>

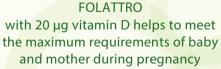
## VITAMIN D

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FOLATTRO
with 150 µg of iodine aims to
lower the risk of preventable
mental retardation



and lactation.







specially formulated to help meet the increased nutritional needs of women who are trying to conceive, are pregnant or breastfeeding



Nutrional Value	1 Tablet	NRV
Vitamin B12	10 μg	400 %
Vitamin D	20 μg	400 %
Folate Quatrefolic	400 μg 778 μg	200 % —
lodine	150 μg	100 %

Dosage and Use One tablet a day taken with water is sufficient.

- 1. van der Put NM et al. Am J Hum Genet 1998.
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- 3. Pietrzik K et al. Folic acid and L-5-methyltetrahydrofolate: comparison of clinical pharmacokinetics and pharmacodynamics. Clin Pharmacokinet, 2010.
- 4. Patanwala I et al. Am J Clin Nutr. 2014.
- 5. Obeid R. Et al. Perital Med. 2013. 6. Miles D Thompson, et al. Am J Clin Nutr.
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- 7 Osterbues A et al Lancet 2009 8. Smith AD. Am J Clin Nutr. 2007
- 9. Kut A et al. J Endocrinol Invest. 2010; Jul-Aug;33(7):461-4.
- 10. Zimmerman MB, et al. Lancet, 2008:372:1251.
- 11. Delange F. Administration of iodized oil during pregnancy: a summary of the published evidence. Bull World Health Organ 1996;74:101-8.
- 12. Sayers and Tobias 2008. 13. Holick 2008







# The Right Support in Healthy Pregnancy



#### **FOLATTRO**

- The tablets are free of nanoparticles, lactose, fructose, gluten, preservatives, colourings and flavourings as well as constituents of animal origin.
- 30 ENTERIC-COATED easy to swallow scentless tablets in a blister strip.

