

With people's growing interest in folate, increases also Gnosis by Lesaffre curiosity to understand all the benefits that an active folate such as Quatrefolic® can bring to people at all stages of life.

This is the key point: every human being, from birth to old age, can sustain his/her own health through the intake of the right dose of the active folate - Quatrefolic®.

Read the new, refreshed Quatrefolic Online to stay tuned on latest news of folate. Good read to everyone and stay tuned!

Silvia Pisoni  
Senior Marketing Manager



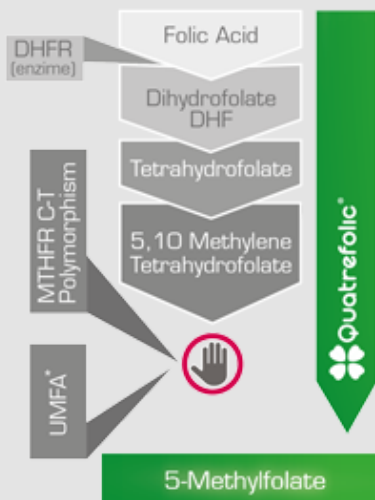
## Pills

### How does the folate metabolism work?

Discover the infographic that explains the metabolic pathway leading to the conversion of folic acid and folate into the biological active form.

Thanks to its high solubility, enhanced bioavailability and other features, the glucosamine salt of 5-MethylTetraHydroFolate (5-MTHF) reveals significant advantages over calcium salt and the previous folate generations.

Quatrefolic® - "the innovative folate" - delivers a "finished" folate the body can immediately use without any kind of metabolism.

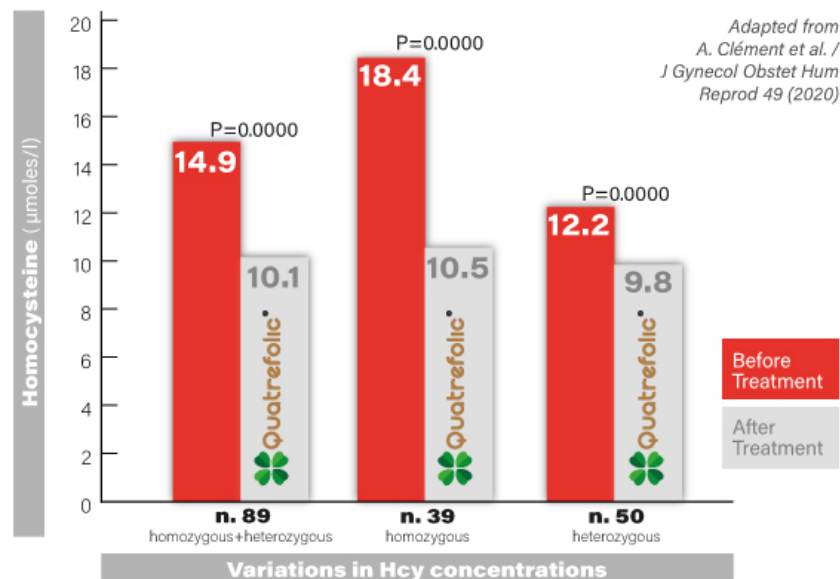


\* Unmetabolized Folic Acid

## Normalizing hyperhomocysteinemia: Quatrefolic® Focus - the case of infertility<sup>1</sup>

A very recent publication of *Clement et al.* has recommended that couples with a long history of infertility should be analysed for Methylene tetrahydrofolate Reductase (MTHFR) polymorphism and homocysteine.

The group tested blood homocysteine (Hcy) level before and after treatment with Quatrefolic® to control the efficacy of the treatment before starting Assisted Reproductive Technology (ART) attempts. In the 89 couples included - 50 were heterozygous for the MTHFR polymorphism, 39 homozygous and 72 wild-type - Quatrefolic® reduced rapidly the Hcy level of 42.7% in homozygous and 20.1% in heterozygous subjects, with no significant difference ( $p = 0.12$ ) between the normalized Hcy level of homozygous and heterozygous (10.5 mmol/L vs. 9.8 mmol/L).



<sup>1</sup> Clément A, Menezo Y, Cohen M, Cornet D, Clément P. 5-Methyltetrahydrofolate reduces blood homocysteine level significantly in C677T methyltetrahydrofolate reductase single-nucleotide polymorphism carriers consulting for infertility. J Gynecol Obstet Hum Reprod. 2020

# In the “Science UP”, discover all features that make Quatrefolic® the right choice!

We are glad to share with our partners the new “Science UP” of Quatrefolic® - the biologically active form of folate with lot of advantages for people at all stages of life.

**Pregnancy and lactation, infertility, mood, sport, growth and aging**, are just a few states that can benefit from the assumption of a good source of folate.

In the “Science UP” you will discover how Quatrefolic® plays an important role in human growth and development, each issue of the brochure is dedicated to a single benefit with all the clinical validation and support.

**Quatrefolic®**  
The 4<sup>th</sup> generation folate

**LOTS OF BENEFITS  
AT ALL STAGES OF LIFE**

**science UP**  
SCIENTIFIC UPDATES  
GNOSIS BY LESAFFRE



## What's NEXT?



New York, USA  
February 20 - 22, 2020  
Visit us at booth #228



Secaucus, NJ, USA  
April 21 - 22, 2020  
Visit us at booth #428



Palexpo, Geneva, Switzerland  
May 12 - 14, 2020  
Visit us at booth #B90

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