



QualiBrain®



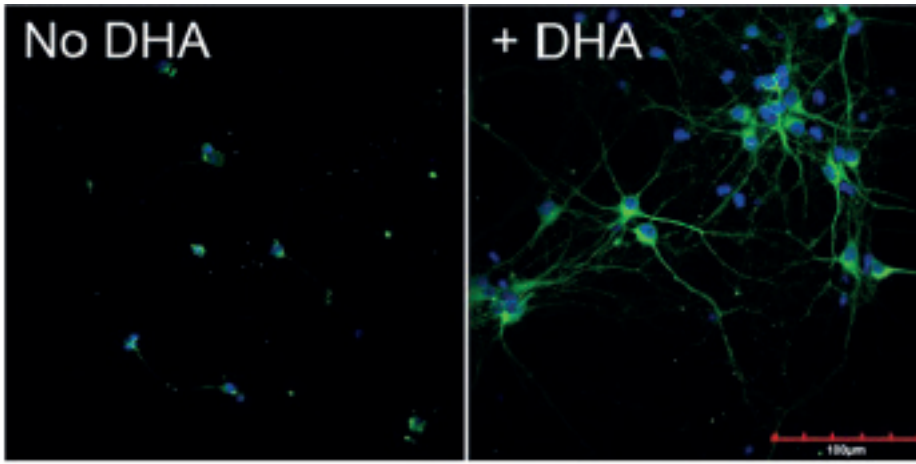
For Professional Use Only



**DHA Algal Oil:
Optimizing Pregnancy
& Nursing Outcome**



DHA Supports Brain Cell Growth. (4)

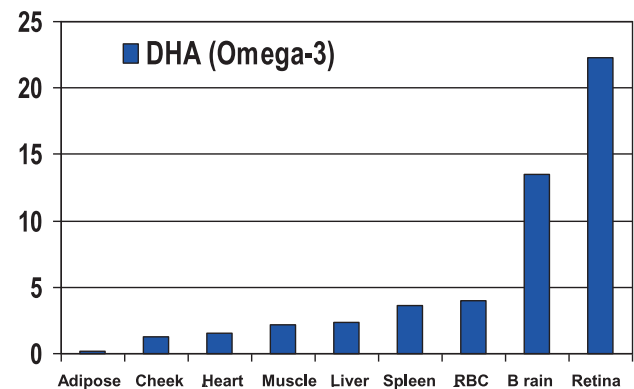
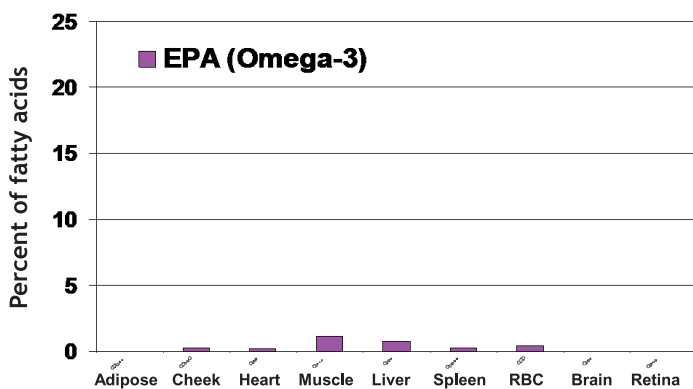


Cerebral cortex neurons exposed to DHA in cell culture extend branches and make connections much like they do during memory and developmental processes.

DHA is the primary omega 3 to accumulate in key tissues such as brain and eye, omega 3 EPA concentrations in the brain are neglectable and therefore it is suggested that EPA is solely used by the cells as energy source.

Supplementation with EPA does not markedly change the amount found in breast milk and levels of EPA in breast milk are low compared to DHA. Suggesting no biological need for EPA.

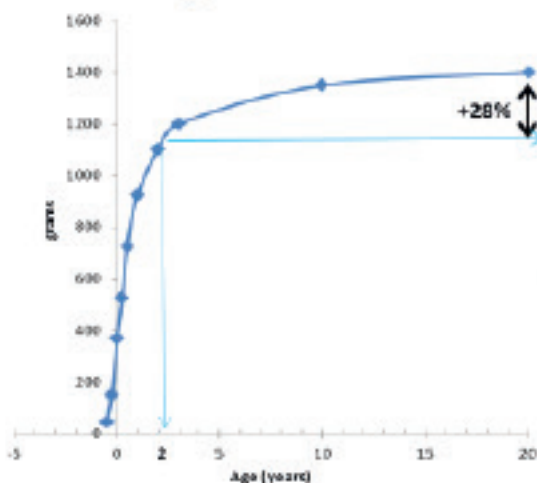
Neurons are unusually rich in the omega 3 fatty acid DHA. (11) DHA is the only Omega 3 to readily accumulate in important neural tissues. (1)



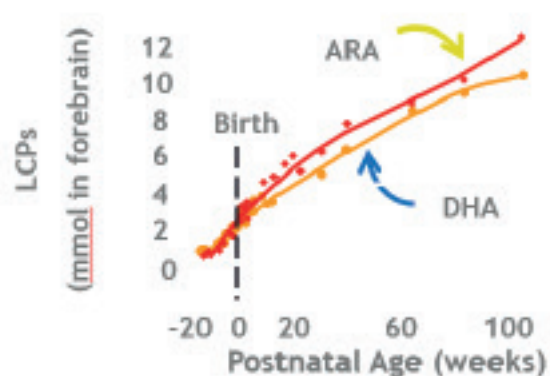
Arterburn et al., AJCN
2006, 83:1467S-76S.

DHA: Key fatty acid throughout first 1000 days. (4)

Brain Weight



Forebrain LCP Content



DHA During Pregnancy & Nursing

DHA is the primary omega 3 to be preferentially transferred via the placenta to the fetus. ⁽⁴⁾

Biomagnification – at delivery, levels of DHA in infant are higher than that of mother. ⁽⁴⁾

DHA supplementation recognized to improve maternal status as well as that of the infant. Dose response with DHA supplementation and breast milk DHA. ^(1,4,6)

Most Frequently Reported Benefits during Pregnancy and Nursing:

Supports maternal blood and breast milk DHA levels ^(6,9)

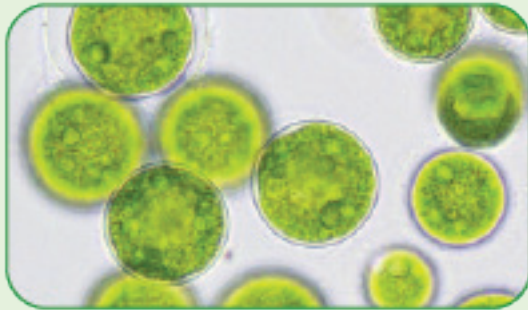
Supports brain and eye development of the fetus and breastfed infants ⁽⁴⁾

Supports healthy immune system function in infants ⁽⁵⁾

Supports sustained attention in infants and children ^(3,10)

Maintains lowers risk of having early premature baby (<34 weeks) ^(2,8)

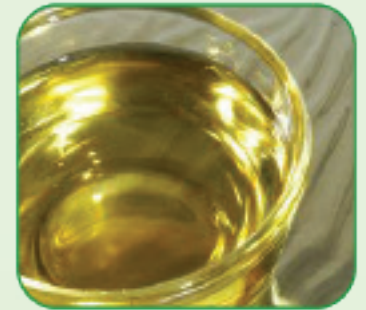
Microalgae: The Original Source of DHA



Algae make DHA



Fermentation Process
(Close & Controlled)



Algal DHA Oil

Microalgae is the source of food chain and primary producer of marine omega 3 DHA. DHA algal oil derived straight from microalgae, the source of omega-3 DHA. It started with clean source and ended as pure as pure can be, without ocean-borne contaminants.

Product Information

Lipid experts all agree that DHA is the active ingredient for fetal growth and development and optimal cognitive health. Therefore, the concentration of DHA, the natural source and the lipid composition in the softgel is the key⁽⁴⁾

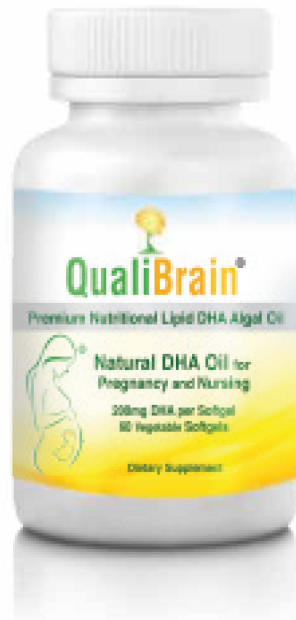
QualiBrain® contains pure and natural DHA oil. Our high potency DHA oil is clinically validated and supported by the strongest science for use in pregnancy and nursing.

QualiBrain® vegetable softgel has superior sensory profile without fishy off-taste. The softgel is small and easy to swallow. Algal oil algal softgel is the only relevant vegetarian source of DHA, is Halal and suitable for everyone including those allergy to seafood.

QualiBrain® label claim corresponds to softgel content (>200mg DHA).

Take 1 or 2 softgels daily with meal or as directed by your doctor or pharmacist.

Keep away from direct sunlight and prolonged air exposure. Close tightly after opening. Optimum temperature: between 5 to 25° Celsius.



U.S. FDA GRAS
GMP
GMO Free
Solvent Free
Allergen Free
Vegetarian
HALAL



Made in USA

Marketed by:



100 Peck Seah St, #08-14 Singapore 079333

Email: enquiry@novamed.com.sg

www.novamed.com.sg

References:

1. Arterburn et. al, Distribution, interconversion and dose response of n-3 fatty acids in humans. Am J Clin Nutr 2006;83(suppl): 1467S-76S.
2. Carlson et. al, Higher dose docosahexaenoic acid supplementation during pregnancy and early preterm birth: A randomised, double-blind, adaptive-design superiority trial. EClinicalMedicine 36 2021 100905.
3. Columbo et. al, Prenatal DHA supplementation and infant attention. Pediatr Res. 2016 Nov;80(5):656-662. doi: 10.1038/pr.2016.134. Epub 2016 Jun 30. PMID: 27362506; PMCID: PMC5164926.
4. Data on file, DSM.
5. Imhoff-Kunsch et. al, Prenatal docosahexaenoic acid supplementation and infant morbidity: randomized controlled trial. Pediatrics. 2011 Sep;128(3):e505-12. doi: 10.1542/peds.2010-1386. Epub 2011 Aug 1. PMID: 21807696; PMCID: PMC3164093.
6. Jensen et. al, Effect of docosahexaenoic acid supplementation of lactating women on the fatty acid composition of breast milk lipids and maternal and infant plasma phospholipids. Am J Clin Nutr 2000;71(suppl):292S-9S.
7. Kutzner et. al, Lipid Class Specific Quantitative Analysis of n-3 Polyunsaturated Fatty Acids in Food Supplements. Journal of Agriculture and Food Chemistry 2017, 65, 139-147. DOI: 10.1021/acs.jafc.6b03745.
8. Middleton et. al, Omega-3 fatty acid addition during pregnancy (Review). Cochrane Database of Systematic Reviews 2018, Issue 11. Art. No.:CD003402. DOI: 10.1002/14651858.CD003402.pub3.
9. Otto et. al, THE EFFECT OF DIFFERENT SUPPLEMENTS CONTAINING DOCOSAHEXAENOIC ACID ON PLASMA AND ERYTHROCYTE FATTY ACIDS OF HEALTHY NONPREGNANT WOMEN. Nutrition Research, Vol. 20, No. 7, pp. 917-927. 2000.
10. Ramakrishnan et. al, Prenatal supplementation with DHA improves attention at 5 y of age: a randomized controlled trial. Am J Clin Nutr. 2016 Oct;104(4):1075-1082. doi: 10.3945/ajcn.114.101071. Epub 2016 Sep 7. PMID: 27604770; PMCID: PMC5039806.
11. Salem N Jr. Omega-3 fatty acids: Molecular and Biochemical Aspects. In New Protective Roles for Selected Nutrients, GA. Spiller and J Scala, eds. 1989. Alan R. Liss. New York 109-228.