

Get Your FATS Right

CAPTEX® =
MCTs for Cognitive Health



Fuel your BRAIN with ABITEC's Medium-Chain Triglycerides

Fact Cognition may decline as we age

Fact Decreased glucose (brain fuel) to the brain has been shown to lead to cognitive decline including impaired learning and memory.^{1,2}

Fact MCTs show positive effects on cognitive tasks including, working memory, visual attention and task switching in the healthy elderly.³

**more studies available upon request*

ABITEC's CAPTEX® MCTs

- ✓ Support cognition & brain health
- ✓ Provide quick energy
- ✓ Kosher, Halal, GFSI & ISO certified
- ✓ Liquid & Powder forms
- ✓ Palm Kernel, Coconut and Palm-free options
- ✓ Keto Friendly



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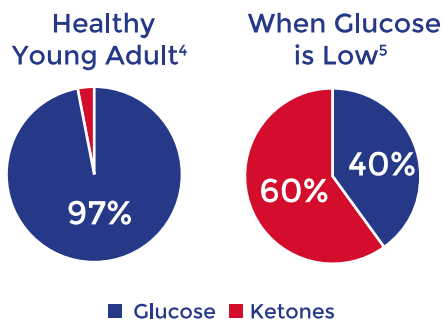
The Brain's Energy

Glucose is the brain's primary energy source

Ketones provide a secondary energy source

- Ketones are produced (ketogenesis) in the liver from fatty acids
- Low levels of ketogenesis occur at all times
- Increased ketogenesis occurs:
 - ✓ Fasting/Starvation
 - ✓ Low carb/High fat diet
 - ✓ Type I diabetes
 - ✓ Decreased glucose utilization

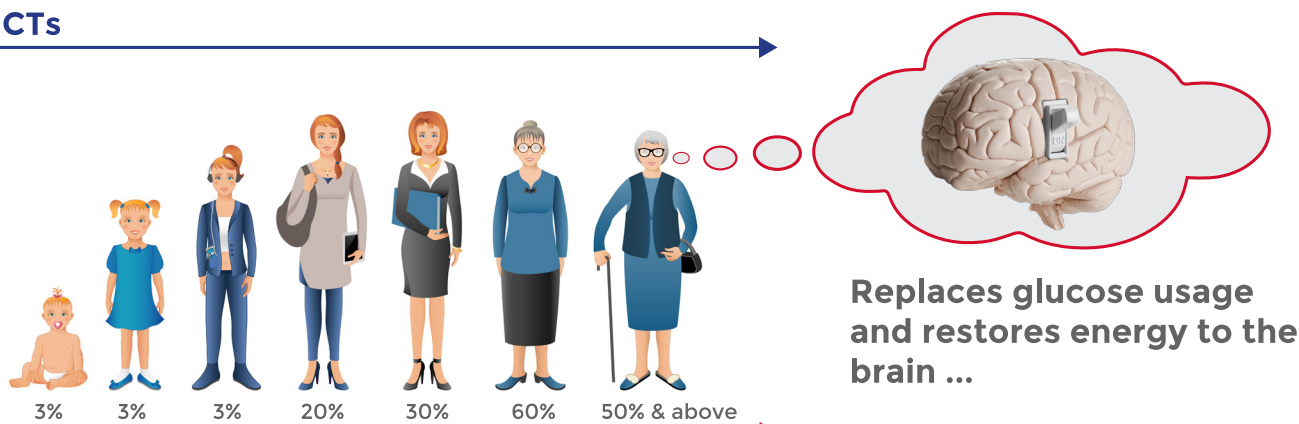
Brain Fuel



MCTs are the Brain's Quick Energy Source when Glucose is Low

- ✓ MCTs are rapidly absorbed from the gut via portal vein
- ✓ MCTs are converted to ketones in the liver
- ✓ Ketones cross the blood brain barrier to fuel the brain
- ✓ Brain will not be energy deficient with MCT supplementation

MCTs



Ketones

The Products

| ABITEC PRODUCT | Chemical Name(s) | Caprylic (C8) fatty acid content (%) | Capric (C10) fatty acid content (%) | Appearance/Form (25° C) | Raw Material Origin |
|----------------------|--|--------------------------------------|-------------------------------------|-------------------------|---|
| CAPTEX® 300 | Caprylic/capric triglyceride | ~70 | ~30 | Colorless, clear liquid | Palm Kernel, Coconut, and Palm-Free Options Available |
| CAPTEX 355 | Caprylic/capric triglyceride | ~55 | ~35 | Colorless, clear liquid | |
| CAPTEX 1000 | Glyceryl tricaprate: Tricaprin | < 1 | 98 | Solid | |
| CAPTEX 8000 | Glyceryl tricaprylate: Tricaprylin | 98 | < 1 | Colorless, clear liquid | |
| NUTRI SPERSE® MCT 70 | Caprylic/capric triglyceride on Non-Fat Dry Milk | 70% CAPTEX® 300 | | Powder | Palm-Free Options Available |
| NUTRI SPERSE MCT 50 | Caprylic/capric triglyceride on Non-GMO Maltodextrin | 50% CAPTEX® 300 | | Powder | |

1McNay et al. J Gerontol A Biol Sci Med Sci, 2001. 56(2):B66-71.

2McNay, et al. Neurobiol Learn Mem, 2001. 75(3):325-37.

3Ota et al. Psychopharmacology (Berl), 2016. 233(21-22):3797-3802.

4Cahill, G.F. Ann Rev Nutr, 2006. 26:1-22

5Owen, O.E., et al. J Clin Invest, 1967. 46(10):1589-95.

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