

Magnekom

Food Supplement
Containing Magnesium



Made In Germany

Magnekom

Magnekom is a food supplement containing 460 mg ATA Mg[®].
Magnekom contains a patented acetyltaurinate magnesium salt,
which offers enhanced magnesium cell penetration and provides physiological
properties related to optimized intracell magnesium concentration.

ATAMg[®] = Magnesium Acetyl Taurinate
= Lipophilic properties

➔ **The best cellular penetration of Mg and taurine**

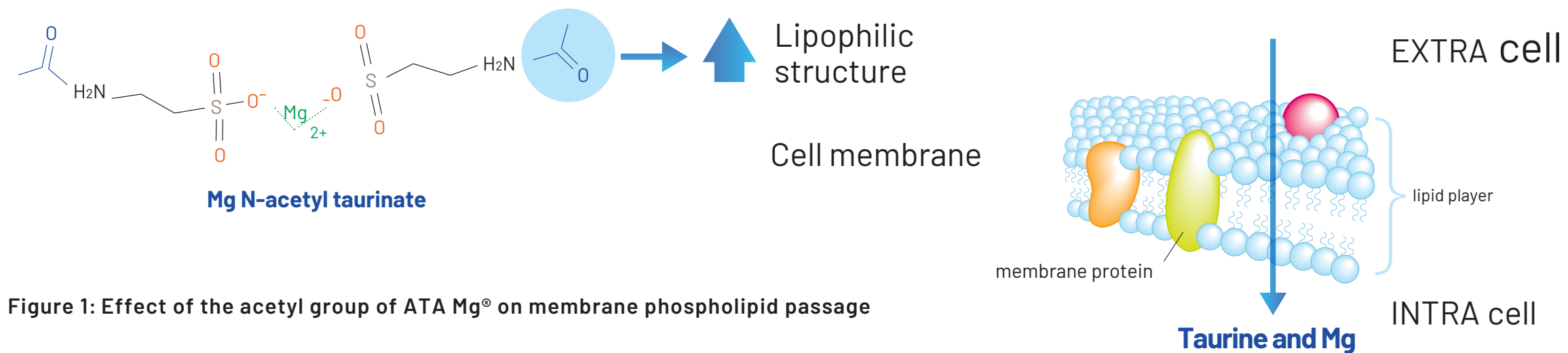
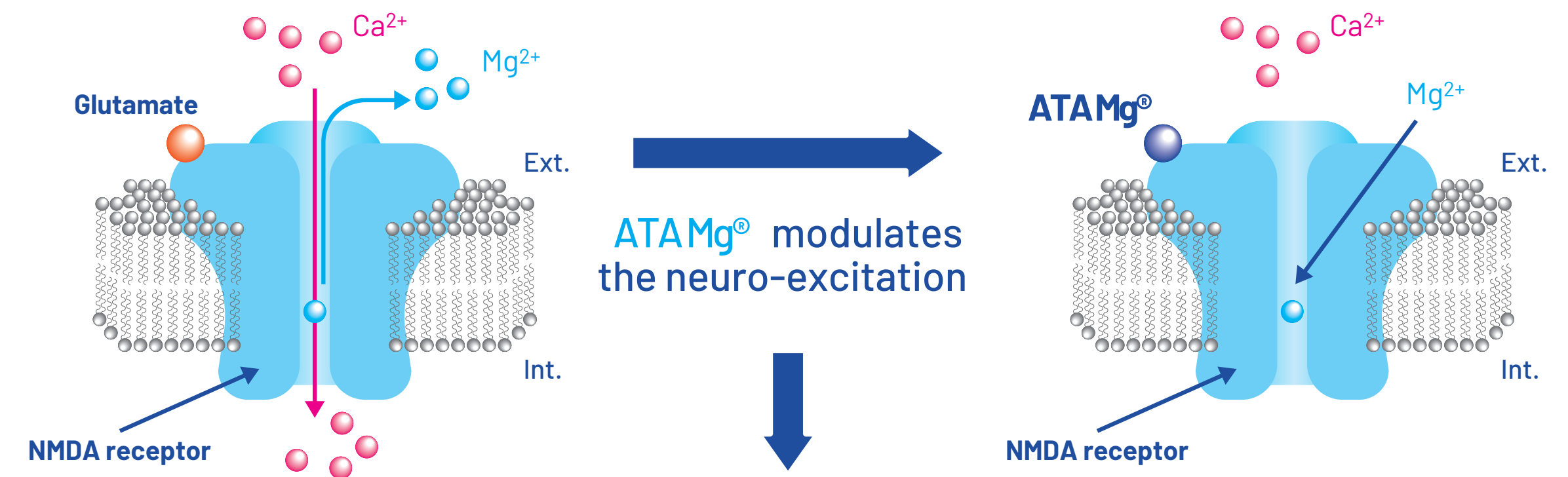


Figure 1: Effect of the acetyl group of ATA Mg[®] on membrane phospholipid passage

ATAMg[®] = structural analogy with two excitatory neurotransmitters (glutamate and kainic acid)
= the only one with a demonstrated effect on NMDA receptors (N-methyl-D-aspartate) receptors



➔ **Binding to NMDA receptors and modulation of neuroexcitation**



Neurodegenerative and cognitive disorders :
Stress
Anxiety
Memory problems Alzheimer's disease
Epilepsy
Migraine

Figure 2: Effects of ATA Mg[®] on NMDA receptors

Magnekom

Magnekom contains ATA Mg[®], the highest bioavailable magnesium for brain and women health, offering better cellular penetration and an increase of magnesium neuro-muscular activity and can:

- ➔ Help to Reduce Stress
- ➔ Contribute to support anxiety and improve cognitive performance
- ➔ Help improve cognition and learning or memory problems
- ➔ Help manage the premenstrual syndrome disorders

➔ The best magnesium bioavailability

The best intestinal absorption

(Caco-2 cells)

Conclusion:

ATA Mg[®] is 20 to 50% more bioavailable than other magnesium salts.

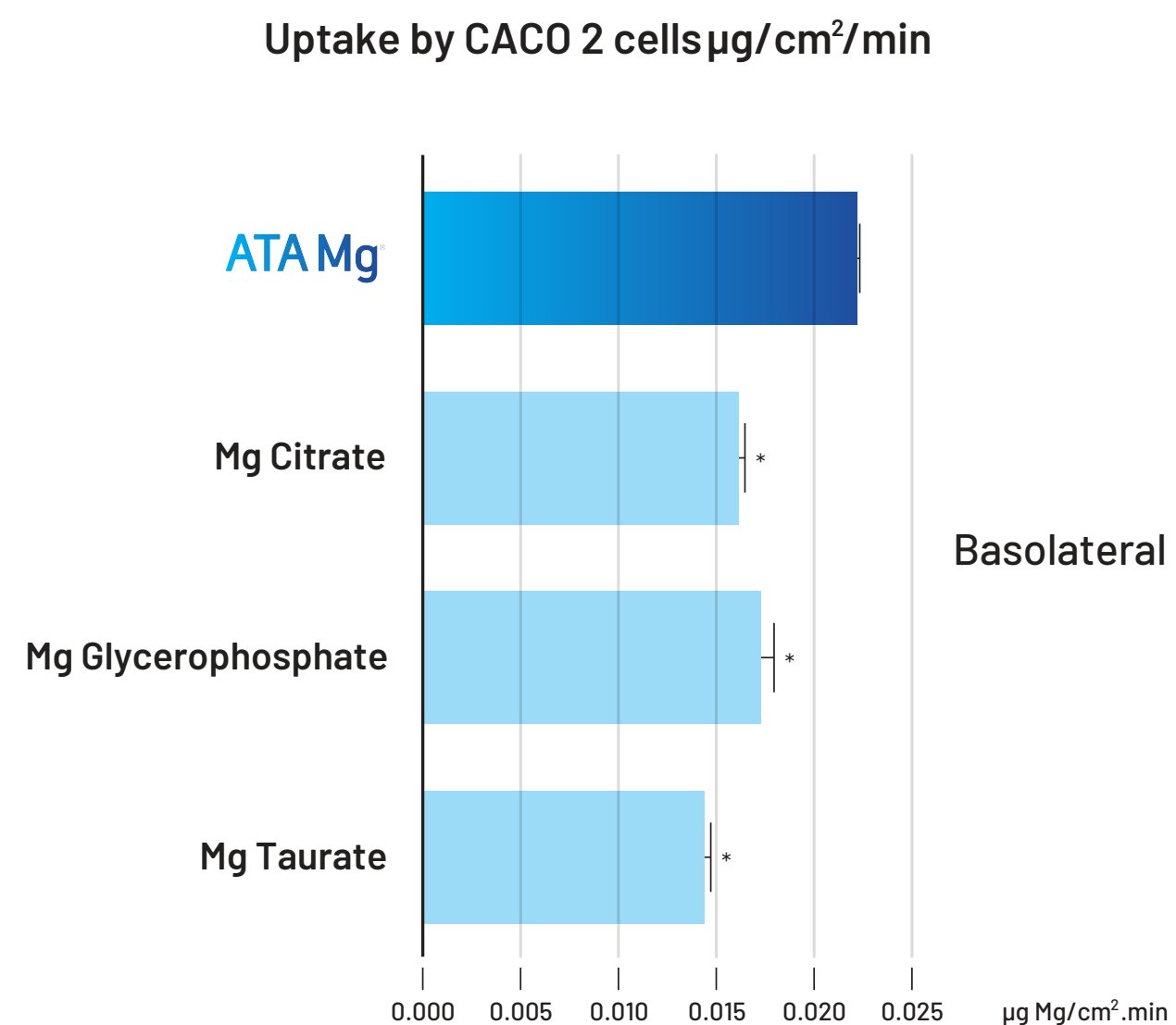


Figure 3: Quantity of magnesium measured on the basolateral side, standardized by the surface of the insert and incubation time (*P < 0.05)

The best cerebral absorption

Conclusion:

The ATA Mg absorption is significantly higher than the other magnesium salts.

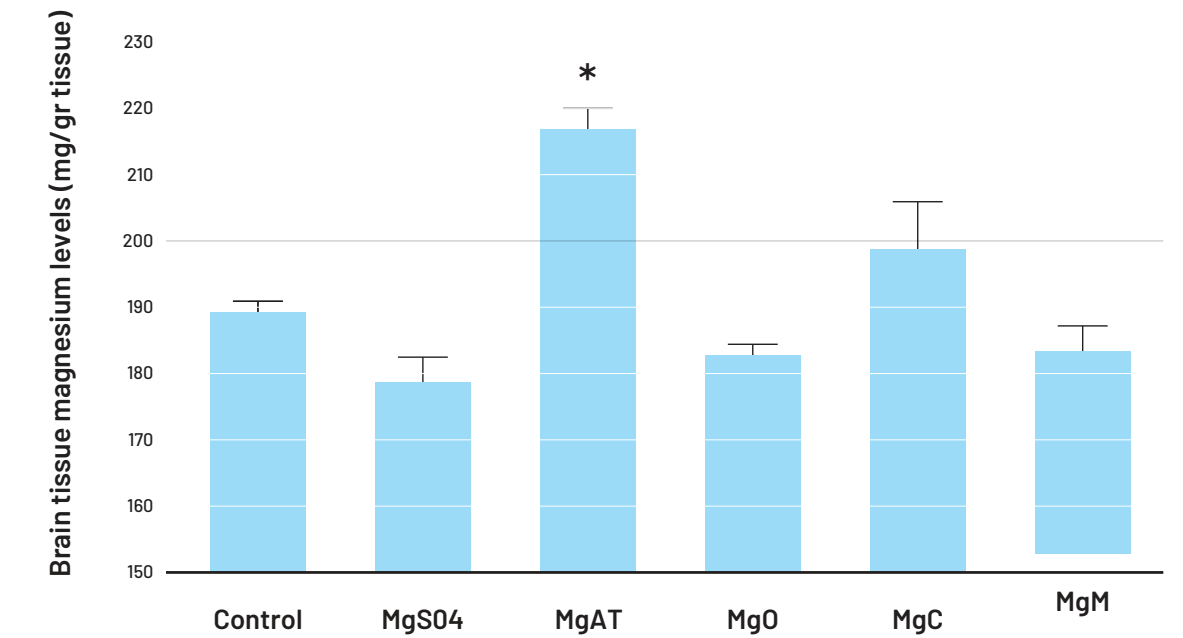


Figure 4: Brain tissue magnesium levels. * indicate p < 0.05 compared to other groups. MgSO4=magnesium sulfate, MgAT=ATAMg[®], MgO=magnesium oxide, MgC=magnesium citrate, MgM=magnesium malate.

The ATA Mg[®] cerebral absorption is non dose-dependant

The other magnesium salts are about 9 times less efficient than ATA Mg[®] to reach the brain.

Conclusion:

The optimal dose of ATA Mg[®] is demonstrated with 45 mg of Mg⁺⁺, which is equivalent to 800 mg of ATA Mg[®].

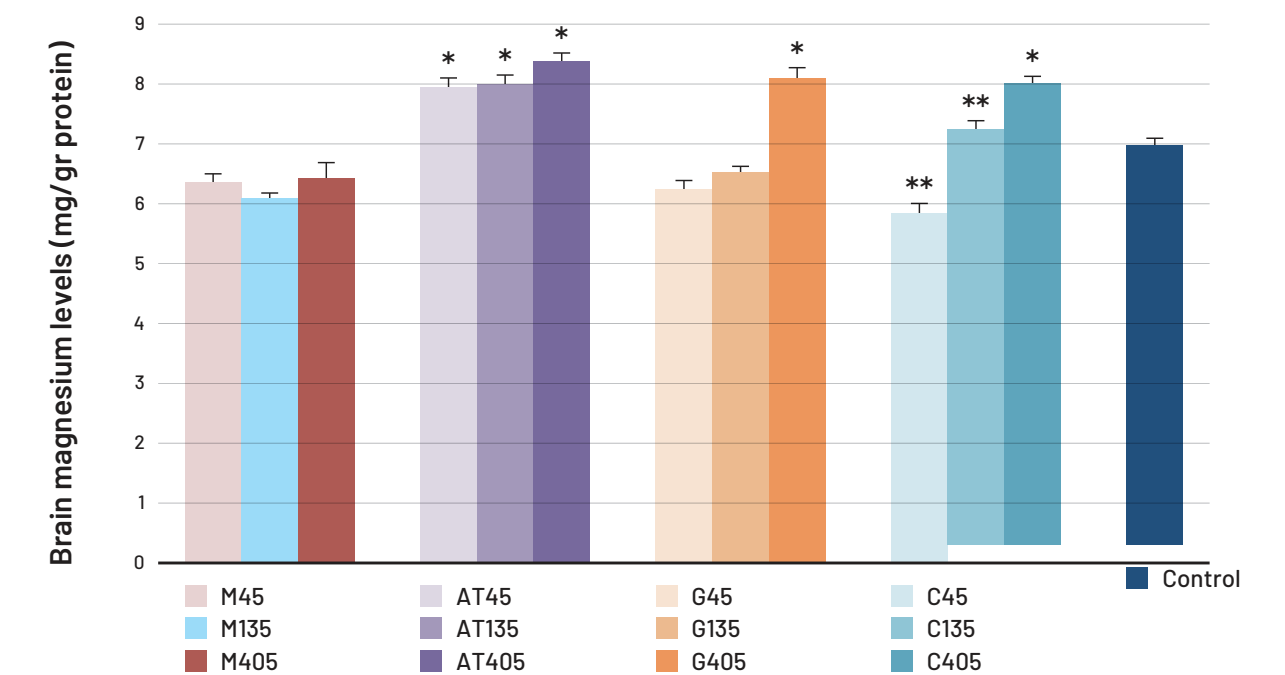


Figure 5: Brain tissue magnesium levels. *p < 0.05 compared to control group. **p < 0.05 compared to 405 mg C group. M=magnesium malate, AT=ATAMg[®], G=magnesium glycinate, C=magnesium citrate, 45=45 mg/70 kg dose, 135=135 mg/70 kg dose, 405=405 mg/70 kg dose

Tests performed with the same concentration of Mg⁺⁺ for all types of compared magnesium salts.

This brochure and the information it contains is intended exclusively for medical doctors and health professionals and is for information purposes only!

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