

COGNITIVE HEALTH

 **indena**[®]
INDUSTRIA
DERIVATI
NATURALI

NUTRACEUTICAL

VIRTIVA[®] PLUS
GINKGO BILOBA EXTRACT

**VIRTIVA**[®]
PLUS

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WHAT IS VIRTIVA® PLUS?

VIRTIVA® PLUS is a *Ginkgo biloba* -phosphatidylserine association exploiting the synergy between these two nootropic agents.

Extracts of *Ginkgo biloba*, the world's oldest living tree, have long been used in China as a traditional medicine for various health conditions, among those extensive literature reports the use to optimize mental functions in younger and older adults, in long-term administration.

Ginkgo biloba extract have been traditionally used to optimize mental functions in younger and older adults, in long-term administration.

In a world going faster and faster, VIRTIVA® PLUS can be your natural support to stay focused.

SPECIFICATIONS

VIRTIVA® PLUS is an association between *G. biloba* standardized extract and lecithin containing 20% phosphatidylserine.

VIRTIVA® PLUS is standardized to contain:

- >5% ginkgolflavonglycosides
- >0.5% to ≤2.5% ginkgoterpenes
- ≥12% phosphatidylserine

RECOMMENDED USE AND DOSE

VIRTIVA® PLUS is a light brown powder for use in nutritional supplements.

Recommended dose: **480 mg/day**

TRADEMARKS

VIRTIVA® PLUS is a trademark of Indena S.p.A. and its logo and usage guidelines are available from Indena.

WHAT MAKES VIRTIVA® PLUS UNIQUE?

In VIRTIVA® PLUS, the *Ginkgo biloba* standardized extract is formulated with phosphatidylserine in a **proprietary synergistic formulation**.

VIRTIVA® PLUS supports memory processes, particularly **working memory and memory consolidation**, and it optimizes memory speed right after a single administration.¹

Scientific evidences prove that VIRTIVA® PLUS leads to **faster choice reaction time** by allowing the individuals to respond more efficiently to sudden changes or challenges.²

VIRTIVA® PLUS has confirmed its support to verbal memory - **promoting the recognition of correct hits** (both delayed and immediate): **key to making correct and quick decisions**.²

Furthermore, a recently published *in vitro* study demonstrate **dose-dependent protection of neuronal cells from oxidative damage**, helping to counteract age-related cognitive decline and contributing to sustained mental vitality.²

A recent study on the **mechanism of action of VIRTIVA® PLUS** demonstrates a **multi-target modulation of neurobiological pathways involved in cognitive function**. At the cellular level, the combination **supports neurotransmission and mitochondrial bioenergetics, while modulating PI3K/Akt and MAPK signaling** linked to neuronal survival and synaptic plasticity. Concomitantly, it regulates redox homeostasis and inhibits pro-apoptotic pathways, while supporting neurotrophic signaling (e.g., BDNF). **This integrated mechanism provides a strong molecular basis for enhanced neuronal resilience and cognitive performance**.³

References

¹ Kennedy D.O. et al., Hum. Psychopharmacol Clin Exp. 22:199-210 (2007)

² Confidential data on file, Manuscript in preparation (2024).

³ Kara M et al., Front. Nutr. 13:1764334. doi: 10.3389/fnut.2026.1764334 (2026)

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