

COGNITIVE HEALTH

 **indena**<sup>®</sup>  
INDUSTRIA  
DERIVATI  
NATURALI

NUTRACEUTICAL

---

VIRTIVA<sup>®</sup> PLUS  
GINKGO BILOBA EXTRACT

**VIRTIVA**<sup>®</sup>  
PLUS

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Please note that the physiological activity of the ingredient described herein is supported by the referenced clinical trial reports. Marketers of finished products containing the ingredient described herein are responsible for determining whether the claims made for such products are lawful and in compliance with the laws of the country in which they will market the products.

## WHAT IS VIRTIVA® PLUS?

**VIRTIVA® PLUS** is a *Ginkgo biloba* -phosphatidylserine association exploiting the synergy between its two nootropic agents (Ginkgo and phosphatidylserine).

Extracts of Ginkgo biloba, the world's oldest living tree, have long been used in China as a traditional medicine for various conditions of health.

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 (1:3 w/w).

**VIRTIVA® PLUS** is standardized to contain:

- ≥5% ginkgoflavonglycosides
- ≥0.5% to ≤2.5% ginkgoterpenes
- ≥12% phosphatidylserine

### RECOMMENDED USE AND DOSE

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

Recommended dose: 480 mg/day

### SCIENTIFIC EVIDENCE

**VIRTIVA® PLUS** is backed by human trials confirming its brain wellbeing support.

### TRADEMARKS

**VIRTIVA®** 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.<sup>1</sup>

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.<sup>2</sup>

**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**.<sup>2</sup>

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**.<sup>2</sup>

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**.<sup>3</sup>

#### References

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

<sup>2</sup> Confidential data on file, Manuscript in preparation (2024).

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

Indena.com/us

