



## Product Information:

Ecovatec is the first and only commercial producer of phosvitin and phosvitin phosphopeptides (PVP) in the world and is the first to discover large scale extraction technology without employing any harmful solvents which can denature the proteins.

Phosvitin is the most highly phosphorylated protein found in nature and when processed into its peptides, shows strong “bioactive” properties. Bioactive means that it “is able to exert a biological effect at a physiological level, and it must be measurable and able to provide health benefits”.

PVP shows strong antioxidant properties for the nutraceutical and food industries, increases calcium and iron absorption in supplement form, inhibits melanogenesis (age spots and skin cancer) when used in topical creams, and has potentials to be used in the pharmaceutical industry as an anti-bacterial, toxin-neutralizing, anti-viral, and anti-cancer peptide treatment.

Ecovatec looks forward to partnering with research facilities, pharmaceutical, nutraceutical, and cosmetic companies to further prove the amazing effects of this “wonder-protein”.

## Product Applications:

### Nutraceutical Supplements:

- Increase calcium and iron absorption
- Act as natural anti-oxidant – fighting cardiovascular disease, carcinogenesis, ageing, neurological disorders, inflammatory diseases, diabetes, and more.

### Food Industry Applications:

- Shown to act as lipid anti-oxidant in food processing systems, extending product shelf life and improving the quality of meats.

### Cosmetic Uses:

- Prevents the accumulation of melanin in cells, leading to a reduction in age spots, hyperpigmentation, melanoma cancer cells, and generally lighter skin.

### Pharmaceutical Research Potential:

- Shown to be effective against multi-drug resistant bacteria
- Potential treatment for endotoxin-mediated inflammation and sepsis
- Can protect marine species against Lymphocystis disease virus - research needed to investigate human anti-viral activity
- Cancer fighting properties investigated against 7 different cancer cell lines



## Product Specifications:

### Main Ingredients:

Phosvitin Phosphopeptides 75 %

### Contains:

Protein 65 %  
Phosphorous 8-10 %



## Company Profile:

Ecovatec Solutions Inc. is a private Canadian based egg yolk processing company focused on innovative technology solutions. We are dedicated to delivering premium egg yolk ingredients to the nutraceutical, pharmaceutical, cosmetic, and food industries.

Our EcovaPure™ processing methods illustrate our commitment to purity, efficiency, and natural processing. EcovaPure™ technology uses low temperatures and no harmful chemicals to extract and separate high quality, functional food ingredients. We work with local egg producers to ensure Canadian Food Inspection Agency approved pasteurized yolk is the basis of all our products.

## Corporate Contact Information:

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