

TPM[®] Delivery Technology

Versatile technology with
proven clinical benefits.

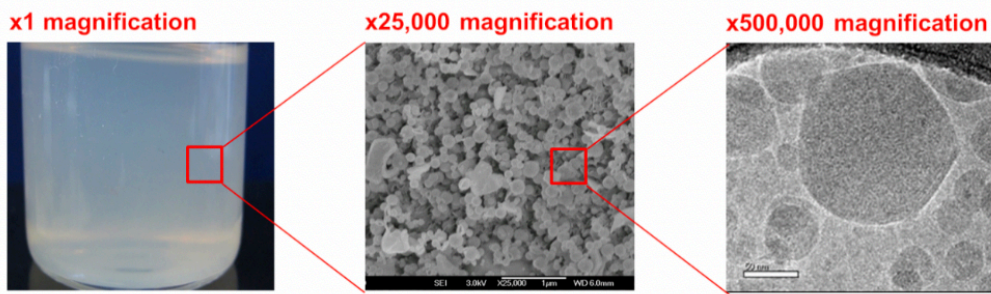
Discovered in Avecho's own laboratories, TPM[®] (tocopheryl phosphate mixture) is the world's first drug delivery platform combining a proprietary combination of two different forms of tocopheryl phosphate, an enhanced form of Vitamin E.

Products with TPM[®] has been proven to:

Improved delivery

TPM[®] – Mechanisms of action

Unlike normal Vitamin E, TPM[®] self-assembles into small particles, less than a tenth the thickness of a human hair, that are able to entrap drugs or other molecules inside. This encapsulation increases their solubility and subsequent absorption.



Unlike other encapsulation systems, TPM[®] is not biologically inert, but has enhanced Vitamin E activity across a range of non-antioxidant roles. These attributes offer distinct commercial advantages to a range of dosage forms, including injectable, oral and topical/transdermal products.

[DOWNLOAD THE FACT SHEET](#)

Applications to dosage forms

INJECTABLE DOSAGE FORMS



ORAL DOSAGE FORMS



Increased solubility for better bioavailability

TPM[®]'s natural propensity to encapsulate poorly soluble molecules may provide a head start for oral drug absorption. In-vitro digestion studies and multiple in-vivo animal models have shown that TPM[®] can increase the oral bioavailability of a range of molecules generally known to suffer from poor absorption. TPM[®] itself has also shown a range of attractive biological properties when given orally, including positive benefits for plasma lipid profiles as well as a range of pro-inflammatory and anti-inflammatory markers.

TOPICAL/TRANSDERMAL DOSAGE FORMS



Research

TPM[®]: TECHNOLOGY CLAIMS



TPM has enhanced vitamin e activity (non anti-oxidant roles)

TPM has anti-inflammatory activity

TPM can slow the progression of atherosclerosis and improves dyslipidemia

TPM can self-assemble into tiny vesicles that entrap drug

TPM can increase drug solubility

TPM can increase dermal/transdermal absorption

TPM can increase the oral bioavailability

TPM can replace adverse solvents or co-surfactants (ie. Cremaphor)

TPM can increase drug stability

TPM[®] in action



EXPLORE OPPORTUNITIES IN PHARMACEUTICALS

Discover the opportunities to create new and exciting products using TPM[®] today.

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EXPLORE OPPORTUNITIES IN ANIMAL HEALTH

Your treatment, only smarter. Discover the potential of TPM[®] to improve the delivery of your proven products.

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