

# Nutraceutical Solutions

Innovative health ingredients and functional coatings for improved delivery.



# NEW PRODUCTS

Innovating for your nutraceutical success – we move with the market



## GuardCap™

Our ready-to-fill hard capsule for **colon delivery** guarantees the protection of sensitive ingredients from gastric acid, bile acid and enzymes. GuardCap™ helps you increase your speed in development and reduce supply chain complexity.

### You benefit from:

- Capsules that are **easy to open, fill and close**
- No additional sealing or banding needed
- Moisture protection of sensitive ingredients
- **Clean label formulation** without TiO<sub>2</sub> or talc, no solvents used
- **Reliable** dissolution and disintegration
- Increased viability of probiotics



## IN VIVO BIOTICS™

Our most advanced synbiotic products (bulk capsules and powder) for prevention and well-being re-enable the body's self-protecting competences for inner health through the microbiome. IN VIVO BIOTICS™ are scientifically proven synergistic combinations of our proprietary microorganisms and bioactive ingredients.

### You benefit from:

- Clinical evidence for **human applications**
- **Comprehensive** consumer insights
- Fast **market entry**
- A **strong partner** along the value chain

### Discover:

- **IN VIVO BIOTICS™ butyrate**  
enables intrinsic butyrate production
- **IN VIVO BIOTICS™ resolvin**  
enables intrinsic SPM / resolvin production
- **IN VIVO BIOTICS™ gluten tolerance**  
enables intrinsic gluten degradation

# ADVANCED FOOD INGREDIENTS

Science-based health ingredients to differentiate your nutraceutical brands



## AvailOm®

Our highest load omega-3 powder ingredient is a best-in-class platform with superior bioavailability and stability. AvailOm® omega-3 powders are highly efficacious, sustainably sourced and can be leveraged to develop single, small tablets or capsules that are easy-to-swallow.

### You benefit from:

- 50% EPA/DHA concentration in powder – **highest in its class**
- 5 times more **bioavailable** than standard omega-3 softgels
- Directly **compressible** and **easily combined** with other ingredients
- Unmatched oxidation protection with **4 years stability**

### Discover:

- **AvailOm® 50 High DHA Algae**  
An algal oil-based grade ideal for vegans and vegetarians.
- **AvailOm® 50 High DHA**  
A fish oil-based grade ideal for use during pregnancy and early motherhood, or to support eye and cognitive health in later stages of life.
- **AvailOm® 50 High EPA**  
A fish oil-based grade to support heart health at all life stages.



## Healthberry®

Our anthocyanin powder extract derived from natural bilberries and blackcurrants is the ideal health ingredient to help enhance the value of a range of functional foods and beverages. Healthberry® can be used in effervescent tablets or capsules, small volume shots, tea capsules and as a concentrated ready-to-mix powder in the cap of sports drinks.

### You benefit from:

- An **anthocyanin-rich powder** for functional food and beverages
- **Constant, stable composition** with 40% anthocyanins on average
- **Patented process** avoids seasonal fluctuations in natural ingredients

# EUDRAGUARD® FUNCTIONAL COATINGS

A toolbox of functional solutions to boost performance and consumer convenience



**Enables sustained release**



**Increases consumer compliance**



**Eliminates environmental factors**



**Allows delayed release**



**Bioavailability enhancement via solubility enhancement**



## EUDRAGUARD® protect

- Single polymer as a powder
- Can be formulated on individual demand
- Taste and odor masking, moisture protection
- Solubility enhancement via HME or spray drying
- Also available as fully formulated ReadyMix



## EUDRAGUARD® control

- Single polymer as 30% aq. dispersion
- Can be formulated on individual demand
- Sustained release over the whole GI tract
- Protection from gastric acid in combination with sodium alginate



## EUDRAGUARD® biotic

- Single polymer as 30% aq. dispersion
- Can be formulated on individual demand
- Colonic delivery

# PRECISION FERMENTATION

Your global fermentation leader from strain development to large-scale production



We have served as a reliable fermentation partner to innovative companies for more than 30 years. Our areas of industry excellence span alternative proteins and other complex molecules to probiotics and whole cell catalysts.

#### **Benefit from our CDMO services:**

- Sustainability as the guiding business principle
- Trusted fermentation partner with proven track record for short time-to-market project realization
- From strain development to large-scale manufacturing e. g. 250 m<sup>3</sup> fermenter volume
- 4,000 m<sup>3</sup> CDMO fermentation capacity
- Comprehensive experience with all relevant host organisms
- Impressive piloting capabilities
- Worldwide presence across seven sites in the U.S., Europe, and Asia
- Significant in-house engineering expertise and capabilities for continuous improvement, plant extension or technical upgrades

To find out more about the seamless support that we can offer, visit [oncare.evonik.com](https://oncare.evonik.com) or email [healthcare@evonik.com](mailto:healthcare@evonik.com)

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