

TRANSCHEM

The key ingredient, naturally



MAY 2019

SuperTab® 50 ODT

A new lactose solution for oral disintegrating tablets (ODT)

What is it?

A highly consistent, monohydrate lactose. Due to its porous nature, a fast disintegration time can be established.

Why use it?

- A 100% inert, stable, soluble and palatable excipient
- Has a mildly sweet taste as it is a disaccharide excipient
- Pleasant mouth feel
- Provides a solution for orodispersible formulations, helping to deliver medication to paediatrics and geriatric patients, or to those who suffer from Dysphagia

Need to know

- Free flowing
- Compactible
- Low friability ensuring consistent performance on tablet hardness over time
- Low moisture uptake
- Powdery grittiness is prevented due to primary particle size
- Rapid disintegration resulting from spray drying



Clinicals

Supported by sensory testing

Applications

Tablets

Target

Pharmaceuticals and Nutraceuticals for Children and the Elderly



Lactobacillus Fermentum ME-3

Clinically tested unique antioxidant and anti-inflammatory probiotic

What is it?

Probiotic strain with antioxidant and anti-inflammatory properties that differentiate it from others in the Australasian market.

Why use it?

- One of the very few probiotic strains to contain a complete enzymatic system
- Produces antioxidant effects
- Reduces borderline high LDL-cholesterol and triglyceride levels
- Decreases inflammatory blood markers
- Strong resistance to gastro-intestinal environment (bile acids, low pH) and a lectin profile suitable for adhesion to gut epithelium

Need to know

- A strain of bacteria that was first isolated in 1995 by scientists of the University of Tartu, Estonia, from a healthy one-year old Estonian child

- Properties are as follows:
 - Glutathione production and regeneration
 - Stimulation of paraoxonase production
 - Anti-inflammatory and anti-oxidative effect
 - Anti-bacterial effect: E.coli, Salmonella and Shigella
 - Regulation of plasma lipid profile



Clinicals

Extensive studies and tests including several published human clinical trials since 2001, focussing on the functionality and beneficial properties

Applications

Capsules and beverages

Target

Gut health, cholesterol, anti-inflammatory and anti-bacterial



SuperTab® 4oLL

Breaking through the direct compression limits

What is it?

A soluble, highly compactable, highly flowable excipient, creating better ways to deliver medications.

Why use it?

- Highest carrying capacity of market excipient products
- For challenging direct compression formulations with higher drug loading
- Dissolves within 10 minutes

Need to know

It is a lactitol monohydrate, combined in an agglomerate which allows for this soluble excipient to provide compaction previously only provided by insoluble plastic materials such as microcrystalline cellulose.

Applications

Mini-tablets, challenging formulations

Target

Pharmaceuticals, Nutraceuticals



SUSTAMINE®

Rapidly rehydrates the body after exercise

What is it?

A revolutionary dipeptide combining L-Glutamine and L-Alanine that is more bioavailable than L-Glutamine alone.

Why use it?

- Aids hydration, endurance and recovery from exercise
- Rebuilds muscle
- Replenishes energy stores
- Increases electrolyte and water absorption
- Delays exhaustion
- Stimulates the immune system
- Taste free
- Odour free
- Highly soluble and transparent when dissolved in water

Need to know

- More easily absorbed by the body than other proteins
- Produced using a patented fermentation process

Clinicals

A range of studies to support hydration in endurance exercise, performance levels and muscle protein breakdown after resistance exercise.

Applications

Energy and enhanced beverages, nutrition bars, dietary supplements

Target

Sports nutrition, immune support



DiosVein

Flawless legs with citrus

Natural option to overcome vein disorders

What is it?

A flavonoid diosmin from hesperidin obtained by extraction from citrus sources such as sweet orange.

Why use it?

- Improves blood flow
- Supports blood vessels integrity
- Health benefits related to vascular problems such as swollen legs or spider veins and haemorrhoids
- Supports cardiovascular health
- Supports antioxidant activity

Need to know

- Consists of 90% diosmin and 10% other flavonoids
- Production and manufacturing follow the highest quality standards

Clinicals

Proven to be effective in cases of venous insufficiency, rapidly improving leg heaviness, cramps, discomfort and evening oedema

Applications

Available only for export

Target

Men's and Women's health

