

on your patients' nutritional therapy



ABOUT MEDIFOOD

Our Mission

is to develop and provide condition specific FSMPs for disease-related malnutrition in order to contribute to the improvement of medical treatment.

Our Vision

is to Drive, Lead and Shape the clinical nutrition market.

Our Core Values

- ✓ Integrity
- ✓ Innovation

✓ Partnership

✓ Patient & Health Care Professionals

Our Goals

are to develop targeted nutrition for specific diseases and to achieve active worldwide presence through affiliates or distribution partners. We strive to improve patients' quality of life by innovation of products, therefore contributing to the efficacy of medical treatments.

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OUR BACKGROUND

Medifood is Swiss-Hungarian company, founded in 2008 with the purpose of **developing and commercializing** research-based, innovative clinical nutrition products.

These are specially formulated medical foods that are processed and intended for the dietary management of diseases, disorders or medical conditions of individuals treated under medical supervision.

Following 2 years of R&D, our first product, MediDrink Plus was registered and launched in Hungary in 2011.

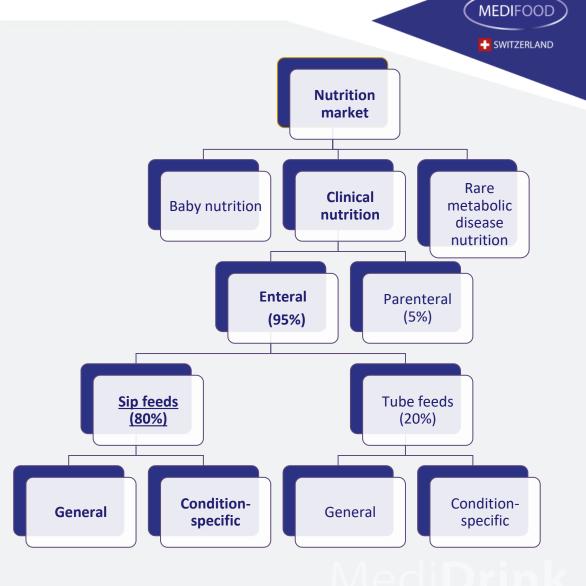


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NUTRITION MARKET

Sip feeds cover a large majority of the clinical nutrition market.

Our target is the segment of complete sip feeds for the treatment of disease-related malnutrition and cachexia. Our objective is to address the specific medical nutritional requirements of the disease.



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THERAPEUTIC BACKGROUND

Using state-of-the-art technology in our production facility, Medifood produces high-quality "Foods for Special Medical Purposes" (FSMP) (EU Directive 2016/128).

These medical foods or clinical nutrition products, are specially formulated foods that are processed and intended for the dietary management of diseases, disorders or medical conditions of individuals who are being treated under medical supervision.

Main therapeutic areas:

- Oncology
- Pulmonology (COPD, cystic fibrosis)
- Gastroenterology (IBD, Crohn's disease)
- Other: AIDS, Alzheimer's disease





THE IMPORTANCE OF MEDICAL NUTRITION

Clinical consequences of malnutrition in patients:

- Reduced therapeutic reaction to treatment^{1,2}
- More frequent and graver therapeutic toxity³
- More frequent and graver postoperative side-effects⁴
- More frequent and graver postoperative infections⁶
- Longer hospitalization and rehabilitation period^{7,8}
- Higher healthcare costs⁸



Why do FSMPs play such an important role in the Clinical Nutrition market?

- √ Management of food intolerance⁵
- ✓ Reduction in weight loss during treatment⁵
- ✓ Reduction in hospital stays, saving costs of malnutrition⁸
- ✓ Improvement in nutritional status, and so quality of life⁵

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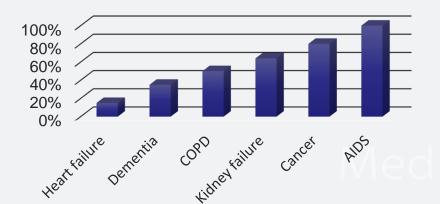
MEDIDRINK PORTFOLIO - ADDRESSING AN UNMET NEED

MediDrink portfolio is a complete SIP feed for treatment of disease-related malnutrition and cachexia.

Recent studies examining the effect of disease-related malnutrition on clinical outcomes and healthcare resource use, reveal that around

- one in four patients admitted to hospital in the EU are at risk of malnutrition or are already malnourished⁹⁻¹⁴
- more than 1 in 3 residents in care homes and older people living independently in the community are malnourished or at risk of malnutrition^{10-11; 15-18}
- Cachexia highest in gastric & pancreatic cancer.
- 20% of cancer deaths can be attributed to starving to death²⁰
- COPD: 30% 70%

Prevalence of cachexia in diseases¹⁹⁻²⁰



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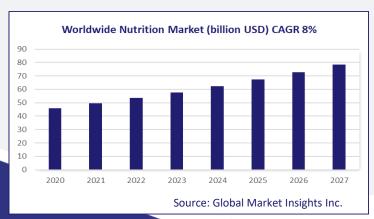


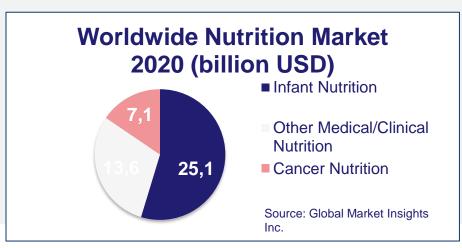
GLOBAL MARKET POTENTIAL

The global clinical nutrition market reached \$47,800 million in 2021 is expected to grow at a CAGR of 9.3% during the forecast period 2022–2030*. The growing geriatric population, the increasing incidence of malnutrition, and the increasing prevalence of communicable and non-communicable chronic diseases across the globe are a few major factors driving the growth of the market.

Accelerated growth potential due to

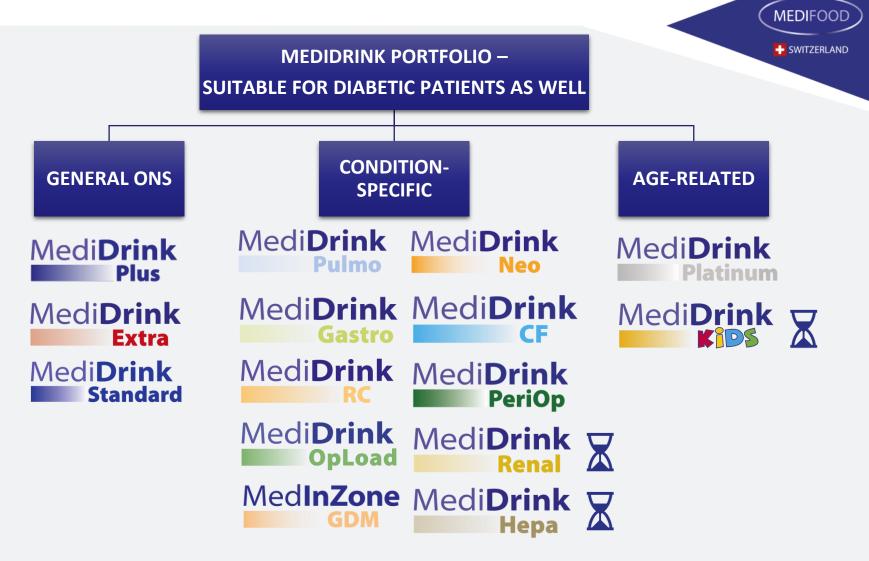
- Increasing use of whey protein in clinical nutrition
- Growing popularity of home-based healthcare
- High incidence of malnutrition among hospitalized patients
- Enteral nutrition driving market growth





^{*} https://www.gminsights.com/industry-analysis/clinical-nutrition-market

OUR PORTFOLIO – BY PURPOSE







OUR PORTFOLIO – GENERAL MALNUTRITION

- Category: "Food for special medical purposes" according to EC directive FSMP 1999/21.
 Nutritionally complete food for oral use. (ATC V06D)
- Indication: For the dietary management of disease-related malnutrition and cachexia
- Claims: Nutritionally complete ready-to-drink sip feed (suitable as a sole source of nutrition)
 - Accelerates weight gain (high energy content: 2kcal/ml)
 - Restores lean body mass (high protein content: 8g/100ml)
 - Mitigates chronic inflammation (high Omega-3)
 - Contributes to the medical therapy (high Omega-3 level, low carbohydrate)
 - Gluten-free, lactose-free (lactose≤0,1g/100g)
 - Ensures good compliance (7 flavours)
 - Low residue
- Packaging: 200ml Tetra Pack



Medi**Drink**

Available in chocolate, strawberry, vanilla, coffee, banana, forest fruit flavours and unflavoured





OUR PORTFOLIO – DESIGNED FOR COPD AND CF PATIENTS

- Indication: for the dietary management of disease-related malnutrition in patients with compromised respiratory function.
- Claims: Nuritionally complete ready-to-drink sip feed for oral use (suitable as a sole source of nutrition)
 - Helps improve nutritional status (high energy: 2kcal/ml, high protein: 10g/ml, MCT)
 - Helps improve muscle strength (high protein, L-carnitine, vitamin D)
 - Decreases respiratory load (low-carbohydrate)
 - Helps improve quality of life (high in Omega-3, vitamins C, D, E, zinc, selenium)
 - Gluten-free, lactose-free (lactose≤0,1g/100g)
 - Ensures good compliance (3 popular flavours)
- Packaging: 200ml or 330ml Tetra Pack







OUR PORTFOLIO – THE ONCOLOGICAL PATIENTS' NUTRITIONAL THERAPY

- Indication: for the dietary management of disease-related malnutrition and cachexia for cancer patients
- Claims: Nutritionally complete ready-to-drink sip feed for oral use (suitable as a sole source of nutrition)
 - Helps improve nutritional status (high energy: 2,2kcal/ml, high protein 12g/100ml, MCT)
 - Helps mitigate metabolic derangements (high Omega-3, low-carbohydrate)
 - Helps improve quality of life (high in vitamins C, D, E, zinc)
 - Has immonunutritional effects (Omega-3, choline, L-carnitine)
 - Ensures good compliance (3 popular flavours)
 - Gluten-free, lactose-free (lactose≤0,1g/100g)
- Packaging: 200ml or 330ml Tetra Pack







OUR PORTFOLIO – CROHN'S DISEASE PATIENTS' NUTRITIONAL THERAPY

- Indication: active Crohn's disease and Crohn's disease-associated malnutrition
- Claims: Nutritionally complete ready-to-drink sip feed for oral use (suitable as a sole source of nutrition)
 - Helps improve nutritional status (high energy: 2 kcal/ml, high protein 9.5 g/100ml, MCT)
 - Contains anti-inflammatory TGF-β2 (>467 µg/100 ml)
 - Contains MCT, a rapidly utilizable energy source even in malabsorption (4 g/100 ml)
 - Contains additional glutamine (1 g/100 ml) and arginine (500 mg/100 ml), which are important amino acids for the maintenance of intestinal barrier function
 - Ensures good compliance (3 popular flavours)
 - Gluten-free, lactose-free (lactose≤0,1g/100g)
- Packaging: 330ml Tetra Pack







OUR PORTFOLIO – PREOPERATIVE NUTRITIONAL THERAPY

• **Indication:** Food for special medical purposes for the preoperative dietary management of **surgical patients***. Can be consumed up to 2 hours prior to surgery.

Claims:

- Energy: 200kcal/200ml
- Carbohydrate content: 50g/200ml
- Contains Zinc, Vitamin A & Vitamin C
- Helps sustain proper metabolism
- May attenuate muscle mass depletion
- May reduce risk of complications
- Improves postoperative insulin resistance
- Improves well-being
- Gluten-free, lactose-free
- Packaging: 200ml Tetra Pack



In refreshing lemonade flavour





OUR PORTFOLIO – ADRESSING THE ELDERLY PATIENTS

- Indication: for the dietary management of disease-related malnutrition and cachexia in the elderly
- Claims: Nutritionally complete ready-to-drink sip feed for oral use (suitable as a sole source of nutrition)
 - Helps improve nutritional status (High energy content:
 2kcal/ml, high protein content (10g/100ml)
 - Helps mitigate symptoms of co-morbidities (high protein, high Omega-3, low carbohydrate content, taurine, lutein, zeaxanthin, Salto3)
 - Helps improve cognition (taurine)
 - Helps improve quality of life (taurine, lutein, zeaxanthin, Salto3)
 - Ensures good compliance (3 popular flavours)
 - Gluten-free, lactose-free (lactose≤0,1g/100g)
- Packaging: 200ml or 330ml Tetra Pack



Available in chocolate, strawberry and vanilla flavours







OUR PORTFOLIO - FOR THE YOUNG AGE

LAUNCHING SOON

- **Indication:** for the dietary management of disease-related malnutrition (1-10 years of age)
- Claims: Nuritionally complete ready-to-drink sip feed for oral use (suitable as a sole source of nutrition)
 - Helps improve nutritional status (energy content: 1 kcal/ml, high protein content)
 - Provides complete nutrition (contains dietary fibre)
 - Gluten-free, lactose-free (lactose≤0,1g/100g)
 - Available in 3 flavours
- Packaging: 200ml or 330ml Tetra Pack



Available in chocolate, strawberry and vanilla flavours

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ECO-FRIENDLY PACKAGING



Tetra Pak beverage carton sustainability features

Certificates and adaptable logos



FSC – The FSC certification ensures that the wood used to produce paper comes from responsibly managed forests



Bonsucro – Bonsucro certification promotes sustainable sugar cane production, processing and trade around the world



Mobius Loop this logo indicates that a product can be recycled, but not necessarily that it has been itself produced from recycled materials



Carbon Trust –
This logo
demonstrates
that a product has a
certified carbon footprint
(applicable to packages
with plant-based
polymers)





Yes	Yes	Yes	Yes
Yes	No	Yes	No

Plant-based package

Fossil package

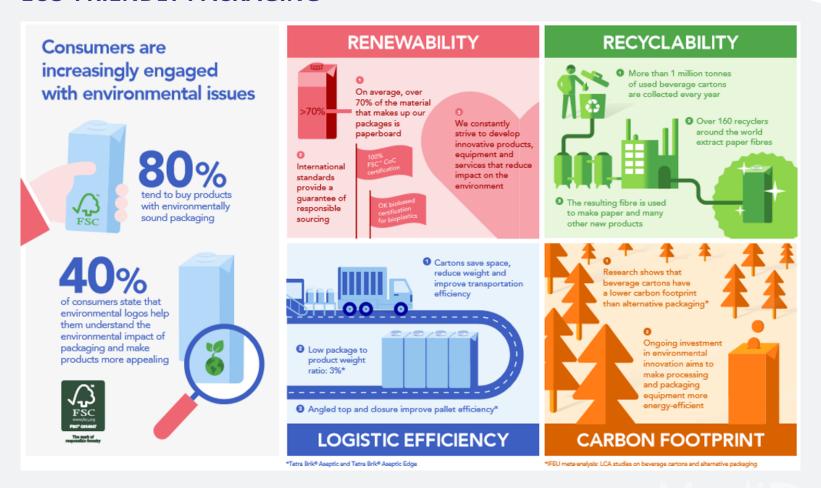
Sustainability/2021-09 2

Source: Tetra

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ECO-FRIENDLY PACKAGING



Source: Tetra

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ECO-FRIENDLY PACKAGING – 200ML PACK SIZE



Medi**Drink**

Source: Tetra

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ECO-FRIENDLY PACKAGING – 200ML PACK SIZE



Tetra Brik® Aseptic 200 Slim Straw/Perforation



- Easy to distribute, stack and store
- Easy to hold and drink from
- Smart for the planet made of renewable materials
- Variety of printing options and packaging material effects to enhance brand messaging
- Aseptic product protection
- High consumer acceptance

- Improved environmental profile with a recyclable paper straw, certified according to the standards of the Forest Stewardship Council™ (FSC™)
- Paper straws are made of more than 90% paper, a renewable resource and natural material which, when sourced responsibly, grows back
- A paper straw produced in Europe according to the Good Manufacturing Procedure* and with a food contact certificate, distributed via a wellestablished global supply chain

Straws produced from renewable materials

*Compliance with Food Contact Legislation in Europe related to materials and articles intended to come into contact with food.

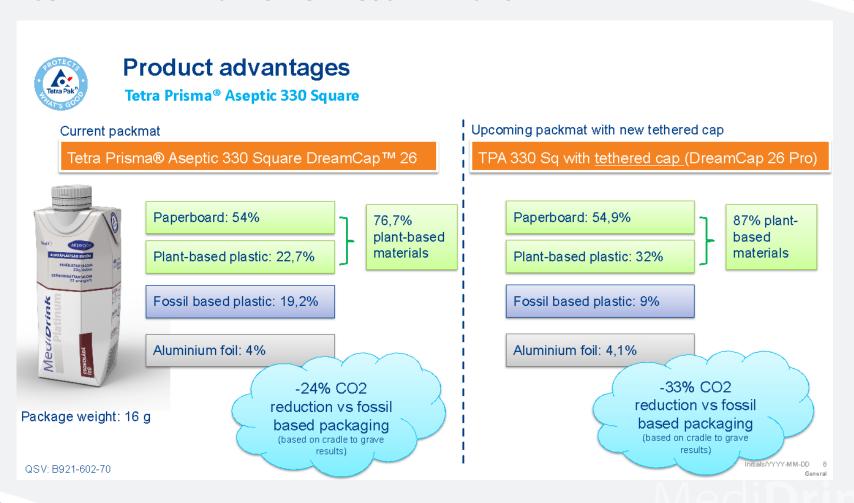
Initials/YYYY-MM-DD

Source: Tetra

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ECO-FRIENDLY PACKAGING - - 330ML PACK SIZE



Source: Tetra

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ECO-FRIENDLY PACKAGING – 330ML PACK SIZE



Main features of award-winning Tetra Prisma® Aseptic DreamCap™ 26



- 'Ease of use' and 'ease of opening' from the Swedish Rheumatism Association (SRA)
- Optimal drinking mouth fit and flow
- Ergonomic shape which follows the curved palms of your hands and creates a secure and comfortable grip, while you hold the package
- High portability for on-the-go occasions (closes well)
- Safe and secure
- ▶ Hygienic
- Aseptic package to avoid preservatives or refrigeration
- Lower carbon footprint











Source: Tetra



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COMPETITIVE ENVIRONMENT

There are a number of different sip feeds available, some of which are general products and some of which have highly specialised formulations for particular patient groups.



Nutricia (Dutch company acquired by Danone), nutrition market leader with 30%. Flagship product: Nutridrink (Fortisip)



Abbott Nutrition (USA Pharmaceutical company). Flagship product: Ensure Plus



Nestlé (Novartis Nutrition). Flagship product: IsoSource, Resource, Clinutren



Fresenius-Kabi: Smallest MS. Flagship product: Fresubin

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MEDICAL NUTRITION MARKET – WHY ATTRACTIVE?

- ✓ Niche market
- ✓ Low competition
- ✓ High price and operating margin vs. food industry
- ✓ Easy registration of product
- ✓ Product is reimbursed by health insurance funds
- ✓ High growth potential due to rapidly growing market²¹⁻²²



With the rapid and successful integration of MediDrink portfolio in Hungary, we have secured a strong platform to expand globally.

We are currently **seeking distribution partners** in selected territories to enhance our international expansion.

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MEDIFOOD

SWITZERLAND

Medi**Drink**



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Business Development & Alliance Manager

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WE WELCOME YOUR PARTNERSHIP

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APPENDIX

- About FSMP-s
- Our development pipeline
- Regulatory environment
- Literature

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ABOUT FSMP-S

Definition: FSMP-s, also referred to as medical foods or clinical nutrition, are intended for the dietary management of patients with a limited, impaired or disturbed capacity, for example, to take ordinary food because of a specific disease, disorder or medical condition (EU 609/2013).

They can be administered enterally, either by mouth or via an enteral tube. FSMPs are used in hospitals, clinics, nursing homes, and in an increasing number of cases at home.

Characteristics: FSMPs represent a very diverse group of products, which can be presented in several different forms including:

- ready to feed liquid preparations;
- powders for reconstitution into liquids;
- semi-solid and solid foods; or
- powders/liquids which can be incorporated into other foods.

FSMP-s can be divided into three main categories:

- Nutritionally complete standard foods (MediDrink Plus, Platinum and Kids fall into this category)
- Nutritionally complete foods for dietary management of malnutrition in specific conditions (MediDrink Pulmo, CF, Neo, Gastro, PeriOp)
- Nutritionally incomplete foods (MediDrink OpLoad)

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OUR DEVELOPMENT PIPELINE

Plus

Age-related products I.

New flavours (2017) (2014-2015)

General malnutrition product (2011)

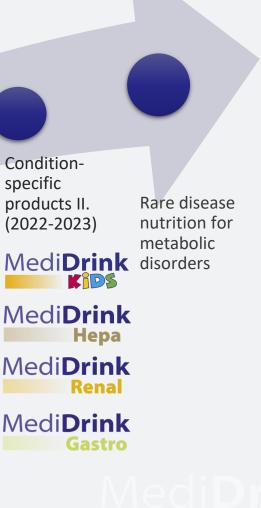
MediDrink

MediDrink



Medi**Drink**

Extra



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REGULATORY ENVIRONMENT

FSMPs are a recognised category of products covered by the EU's Foods for Particular Nutritional Uses (PARNUTs) framework directive (89/398/EEC). This directive defined dietetic foods and laid down general requirements for their composition and labelling. It also required that detailed directives be developed for nine categories of dietetic foods. These categories included foods for infants and young children, meal replacement products for weight control, FSMPs and sports nutrition products.

The European Commission has issued the Regulation (EU) 2016/128 of 2015 supplementing Regulation (EU) No 609/2013 of the European Parliament and of the Council as regards the specific compositional and information requirements for food for special medical purposes.

FSMPs are designed to be used under medical supervision and the specific labelling requirements of the directive are intended to ensure the proper use of the products by patients and healthcare professionals. This directive has been enacted in national laws governing food labelling.

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Medi**Drink**

THANK YOU FOR YOUR ATTENTION!

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