



**HiPP**

**Tube feeds**

As carefully produced  
as everything from HiPP

HiPP Tube feeds  
**20** years of  
experience



**EXPERT INFORMATION**

# HiPP Tube feeds

Made from natural ingredients



**Clinically proven:**  
HiPP tube feed  
with natural carrot  
reduces frequency of diarrhoea

# Everything the body needs

Being reliant on tube feeds means missing out on tasty meals and much-loved rituals. But with HiPP tube feeds, there's one thing you won't miss out on: **natural foods and all their valuable nutrients and ingredients.**



- Low-fat milk and meat (e.g. chicken or beef) are **valuable sources of protein.**
- Vegetables (e.g. carrots or pumpkins) and fruit (e.g. bananas or apples) are **natural sources of carbohydrates and fibre** and also supply **crucial vitamins, minerals and secondary plant compounds from the ingredients they contain.**
- Rapeseed and sunflower oil supply **valuable fats** with a high amount of **polyunsaturated fatty acids.**
- **We do not add** flavourings or preservatives.

\*Maltodextrin, milk protein, soya protein, fibre, vitamin and mineral mix

# Naturally nourished with real food



## HiPP tube feeds

- ✓ **Contain approx. 60% natural ingredients\*** including vegetables, meat, milk and fruit.
- ✓ **Clinically proven: better tolerability!** Reduce the frequency and duration of diarrhoea.
- ✓ **Less work for medical staff** – giving them more time
- ✓ **Feel like meals** thanks to the variety of products: breakfast, lunch and dinner
- ✓ **Can be prescribed:** HiPP tube feeds can be prescribed and covered by health insurance.\*\*

\*Varieties containing milk

\*\* Costs are covered in Germany and Switzerland. In Austria, costs are only covered in individual cases after prescription by a doctor or recommendation by a dietician.

# Tube feeds – with natural goodness

- ✓ Contain **approx. 60% natural ingredients\*** including vegetables, meat, milk and fruit

- ✓ Normocaloric and high-calorie versions

- ✓ Ideal blend and quantity<sup>1</sup> of soluble and insoluble **fibres** for a stronger digestive system<sup>2</sup> and healthy intestinal microbiota<sup>3</sup>

- ✓ **Feel like meals** thanks to the variety of products: breakfast, lunch and dinner

- ✓ Varieties with and without milk (lactose-free)

- ✓ High **protein quality** from low-fat milk and meat (milk-free varieties with soya protein)

- ✓ With meat or vegetarian

- ✓ No flavourings, colourings, flavour enhancers or preservatives

- ✓ Special varieties for **children** aged 1 and above

- ✓ Gluten-free



\*Varieties containing milk

#### References:

- 1 D-A-CH 2021: [www.dge.de/gesunde-ernaehrung/faq/ausgewaehlte-fragen-und-antworten-zu-ballaststoffen/](http://www.dge.de/gesunde-ernaehrung/faq/ausgewaehlte-fragen-und-antworten-zu-ballaststoffen/) (04/2025).
- 2 Wunderle C, Gomes F, Schuetz P et al. ESPEN guideline on nutritional support for polymorbid medical inpatients. *Clin Nutr* 2023; 42: 1545–68.
- 3 Valdes AM, Walter J, Segal E et al. Role of the gut microbiota in nutrition and health. *BMJ* 2018; 361: k2179.
- 4 Schmidt SB, Kulig W, Winter R et al. The effect of a natural food based tube feeding in minimizing diarrhea in critically ill neurological patients. *Clin Nutr* 2019; 38(1): 332–340.
- 5 Weickert MO, Roden M, Isken F et al. Effects of supplemented isoenergetic diets differing in cereal fiber and protein content on insulin sensitivity in overweight humans. *Am J Clin Nutr* 2011; 94: 459–471.
- 6 Epp L, Blackmer A, Church A et al. Blenderized tube feedings: Practice recommendations from the American Society for Parenteral and Enteral Nutrition. *Nutr Clin Pract* 2023; 38(6): 1190–1219.



## More natural ...

We use minimally processed foods rather than dried, powdered ingredients in our products. Using natural substances means that our tube feeds also contain ingredients such as secondary plant compounds (“bioactive protective substances”), which are not found in nutrient extracts.

## ... and more tolerable

A randomised clinical control study<sup>4</sup> has shown that our **HiPP tube feeds** with a high carrot content significantly reduce the number of watery stools. Carrots contain pectin, a naturally soluble fibre known to have a stool-regulating effect.

According to the Consensus Statement on ‘Blenderised Tube Feedings’ by the American Society for Parenteral and Enteral Nutrition (**ASPEN**), tube feeds based on **real food** can improve gastrointestinal function and reduce the incidence of reflux, vomiting and diarrhoea. The more natural composition supports physiological digestive function, while the **greater variety of foods** promotes a more diverse gut microbiota, which can contribute to better overall tolerance.<sup>6</sup>

## Good to know: fibres

Specialist organisations recommend a daily fibre concentration of at least 14.6 g/1000 kcal a day (3.5 g/MJ).<sup>1</sup>

**HiPP tube feeds** make sure patients get this amount.

A combination of insoluble **oat fibres** and soluble **inulin** has a positive effect on intestinal motility and the microbiome (and oat fibres also improve insulin sensitivity).<sup>5</sup> The vegetables and fruit in our tube feeds are another source of fibre.

# Alleviating diarrhoea

## HiPP tube feed with natural carrot reduces frequency of diarrhoea by 61%<sup>1</sup>

There are various causes of diarrhoea during enteral feeding (illness, medication, infections, etc.). Managing a patient's diet can improve the type and quality of nutrient composition, which can help reduce diarrhoea.

A clinical study<sup>1</sup> with HiPP tube feeds shows that, as a dietary component, a tube feed based on natural ingredients (including carrots) has a more positive effect on the occurrence and severity of diarrhoea than a conventional tube feed.

## How nutrition can help prevent diarrhoea in tube feed patients

An adult who passes more than three watery stools (Bristol Stool Form Scale type 5) a day is considered to have diarrhoea.<sup>2,3</sup>

### Main steps to take:

- Compensate for loss of water and electrolytes (sodium, potassium)<sup>4</sup>
- Switch to tube feeds containing carrots<sup>1</sup>
- Identify the causes (e.g. Clostridium infection, antibiotics, lactose)<sup>5,6</sup>
- Reduce the flow rate of the tube feeding<sup>5,6</sup>
- Switch from bolus to long-term dosage<sup>5,6</sup>
- Keep the flow rate below 120 ml/hour when administering in the small intestine<sup>5,6</sup>

**Tip:** To avoid diarrhoea in tube feed patients, tube feeds containing carrots should be used from the start.

Making a responsible choice to use a **tube feed proven to be suitable for patient needs** can **improve patients' quality of life**, makes their rehabilitation more effective and may save money.

### References:

- 1 Schmidt SB, Kulig W, Winter R et al. The effect of a natural food based tube feeding in minimizing diarrhea in critically ill neurological patients. *Clin Nutr* 2019; 38(1): 332–340.
- 2 Lewis SJ, Heaton KW. Stool form scale as a useful guide to intestinal transit time. *Scand J Gastroenterol* 1997; 32 (9): 920–924.
- 3 World Health Organization (WHO). Diarrhoea. Available at: [https://www.who.int/health-topics/diarrhoea#tab=tab\\_1](https://www.who.int/health-topics/diarrhoea#tab=tab_1). Accessed on 13 Nov 2015.
- 4 Lefton J. Management of common GI complication in tube fed patients. *Support Line* 2002;24: 19–25.
- 5 Jordan A, Brandstätter M. Komplikationen. In Stein J, Jauch KW. *Praxishandbuch klinische Ernährung und Infusionstherapie*. Springer Verlag Berlin, 2003.
- 6 Malone AM, Brewer CK. Monitoring for efficacy, complications and toxicity. In Rolandelli RH. *Enteral and tube feeding*. Verlag Elsevier/Saunders 2005.

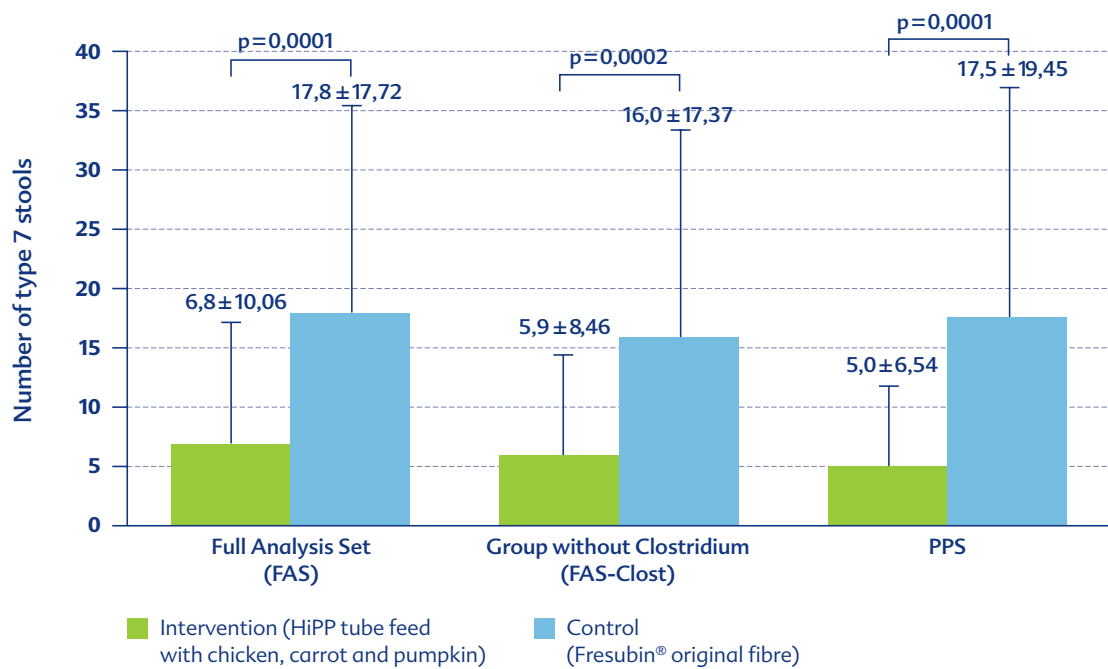


## Clinical study on HiPP tube feeds

A randomised clinical control study<sup>1</sup> has demonstrated that tube feeding **based on natural foods** with a high carrot content **significantly reduces the number of watery stools** and diarrhoea in patients during early neurological rehabilitation:

- 61% **fewer watery stools** than with the control tube feed
- 60% **fewer days of diarrhoea**
- predominantly **normal stool type**

Number (average values, standard deviations) of liquid stools (Bristol Stool Form Scale type 7<sup>2</sup>)



Guide to the three groups:

- Full Analysis Set (FAS): all patients included in the study
- Full Analysis Set-Clost (FAS-Clost): all patients without a Clostridium infection
- PPS: patients who completed the study as planned

### The solution:

HiPP tube feeds made from natural ingredients, in particular with a high carrot content.

We offer standard-calorie, high-calorie and dairy-free versions of our feeds containing carrots.



# The many benefits of HiPP tube feeds

## Diarrhoea in tube feed patients – a challenge for everyone involved

Primarily, of course, it's the tube feed patients themselves who experience the effects of diarrhoea, ranging from feeling unwell to lengthy periods in hospital and even to lesions.

But diarrhoea also increases the workload for your staff, and overall the result is higher costs for your institution.

## Good reasons to avoid diarrhoea in tube feed patients as far as possible



### Patient

- Wellbeing
- Skin condition
- Time in hospital and rehabilitation period



### Staff

- Changing incontinence pads
- Changing bed linen
- Dressing wounds



### Institution

- Staff deployment
- Material costs (faecal collectors, laundry)
- Microbiological examinations (e.g. Clostridium)
- Medication, water and electrolyte therapy



### Material costs

Replacement of incontinence pads, waterproof sheets, washing:  
**5x daily €12\***

— + —

Replacement of bed linen  
**1x daily €15\***

— + —

Preventative skin care:  
**1x daily €5\***

— + —

Medication (e.g. loperamide, probiotics, water-electrolyte infusion solution):  
**1x daily €15\***



### Care costs

**Extra costs per day add up to approx. €95\***

Patients suffer from diarrhoea for **5 days** on average, resulting in **additional costs of approx. €475.**

On average, these complications occur in **20% of tube feed patients.**

\*Model calculation



### Clinical study

#### The solution:

**HiPP tube feeds** made from natural ingredients, in particular with a high carrot content.

**Reduces** the frequency of diarrhoea by **61%**<sup>1,2</sup>

— + —  
**Reduces** the duration of diarrhoea by **60%**<sup>1,2</sup>

#### References:

- Schmidt SB, Kulig W, Winter R et al. The effect of a natural food based tube feeding in minimizing diarrhea in critically ill neurological patients. Clin Nutr 2019; 38(1): 332–340.
- Lewis SJ, Heaton KW. Stool form scale as a useful guide to intestinal transit time. Scand J Gastroenterol 1997; 32(9): 920–924.



# Alleviating constipation

## How nutrition can help improve digestion in tube feed patients

A person who passes two or fewer stools a week, when those stools are hard (Bristol Stool Form Scale type 1-2<sup>1</sup>) and defecation is irregular, incomplete, difficult or painful, is considered to be constipated.<sup>2</sup> Steps to improve digestion are particularly important for immobile patients, for neurological disorders such as Parkinson's disease and for geriatric patients.

- **Provide sufficient fluids** (30 ml/kg body weight/day). Studies show that sufficient hydration can prevent constipation.<sup>2</sup>
- **Fibre** increases the number of stools and speeds up transit.<sup>2</sup> So whenever possible, tube feeds containing fibre should be used, as they help regulate intestinal activity.<sup>3</sup>  
**Tip:** Flatulence can occur when switching from tube feeds not containing dietary fibres. A more gradual transition will help the intestine get used to fibre again.
- Fruits such as apples can have a positive influence on intestinal motility.<sup>4</sup>

In addition to dietary changes, establishing a routine with more physical activity can help, if this is possible.<sup>2</sup>

### References:

- 1 Lewis SJ, Heaton KW. Stool form scale as a useful guide to intestinal transit time. *Scand J Gastroenterol* 1997; 32(9): 920–924.
- 2 Andresen V et al. Aktualisierte S2k-Leitlinie chronische Obstipation der Deutschen Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten (DGVS) und der Deutschen Gesellschaft für Neurogastroenterologie & Motilität (DGNM). *Z Gastroenterol* 2022; 60: 1528–72.
- 3 Volkert D, Bauer JM, Frühwald T et al. Leitlinie der Deutschen Gesellschaft für Ernährungsmedizin (DGEM) in Zusammenarbeit mit der GESKES, der AKE und der DGG. *Klinische Ernährung in der Geriatrie. Aktual Ernährungsmed* 2013; 38(03): e1–e48.
- 4 Katsirma Z, Dimidi E, Rodriguez-Mateos A et al. Fruits and their impact on the gut microbiota, gut motility and constipation. *Food Funct* 2021; 12(19): 8850–66.
- 5 Schmidt SB, Kulig W, Winter R et al. The effect of a natural food based tube feeding in minimizing diarrhea in critically ill neurological patients. *Clin Nutr* 2019; 38(1): 332–340.



## Natural ingredients for balanced digestion

As with a normal diet, we recommend using a variety of tube feeds. Particular ingredients can be used to counteract stools that are too hard or too watery. Patients should be encouraged to consult a doctor or a dietician.

### Good to know:

#### Apples and pears

The natural fibre and sorbitol contained in some fruits increase intestinal motility and stool weight, which in turn speeds up transit in the intestine.<sup>4</sup> This can be particularly effective for immobile patients in softening stool consistency and improving passage.

#### Carrots

Carrots tend to have a stool-regulating effect. If stools are hard, we recommend avoiding exclusive use of tube feeds containing carrots. Including feeds containing apples or pears can help soften stools. If a patient has diarrhoea, introducing carrots to their diet can be effective.<sup>5</sup>

# More than a tube feed

## Morning

Milk and  
banana

## Lunchtime

Chicken, tomato  
and fennel

## Evening

Carrot and  
pumpkin



## Tube meals from HiPP

Breakfast, lunch and dinner are a valuable part of normal life for many people — why should tube feed patients have to go without them? The wide range of HiPP tube feed products offers the right choice of meals that a patient needs to enjoy a varied and nutritious diet.

**Discover new opportunities when it comes to everyday nutrition with the HiPP tube feed range now.** You can choose from 11 different varieties.

### Your daily meals, the way you want them — for example:

- Start the day with milk and bananas for breakfast
- Have a light lunch including chicken, tomato and fennel
- And enjoy an easily digestible dinner with carrots and pumpkin

# Tube feeds for children



SPECIALLY FOR CHILDREN  
aged 1 to 12

**HIGH-CALORIE**  
1.3 kcal/ml

**HiPP tube feeds**  
Specially for children

- with adjusted protein content:  
11 kcal% protein
- with fibre
- gluten-free
- suitable as a sole source of nutrition

low in  
lactose



For adults and children  
aged 1 and above

**NORMOCALORIC**  
1.0 kcal/ml

For adults and children  
aged 6 and above

**NORMOCALORIC**  
1.0 kcal/ml

WITHOUT MILK

If more protein is required, our standard-calorie and dairy-free tube feeds with 15 kcal% protein can also be used.

# Natural goodness for more choice and

For adults and children  
aged 13 and above



For adults and children  
aged 6 and above

## HIGH-CALORIE 1.5 kcal/ml

## NORMOCALORIC 1.0 kcal/ml



### Product range for Germany, Austria and Switzerland.

	Chicken, tomato and fennel	Pumpkin and carrot <sup>1</sup>	Milk and banana	Turkey, sweet corn and carrot <sup>1</sup>	Apple and mango
Product number	2633-03	2632-03	2624-01	2630-06	2629-06
PCN on carton (GER)	12896674	12896668	09264864	12896616	12896645
Protein per 100 ml	6,3 g	6,3 g	6,3 g	3,8 g	3,8 g
Protein per 500 ml	31,5 g	31,5 g	31,5 g	19 g	19 g

<sup>1</sup> Please note that carrots have a tendency to cause harder stools owing to the substances (pectins) they contain. We therefore advise against using this tube feed exclusively if stools are already hard. Please consult your doctor or dietician.

<sup>2</sup> Please note that apples and pears have a tendency to cause softer stools owing to the substances (fructose, sorbitol) they contain. We therefore advise against using this tube feed exclusively if stools are already soft. Please consult your doctor or dietician.

# meets variety – normality.

For adults and children  
aged 1 and above

SPECIALLY FOR CHILDREN  
aged 1 to 12



## NORMOCALORIC 1.0 kcal/ml



Chicken,  
carrot and  
pumpkin<sup>1</sup>

2626-03

12896579

3,7 g

18,5 g

Beef and  
courgette

2611-03

12896556

3,7 g

18,5 g

Milk, apple  
and pear<sup>2</sup>

2625-03

12896562

3,7 g

18,5 g

Milk, banana  
and peach

2631-03

12896591

3,7 g

18,5 g

## HIGH-CALORIE 1.3 kcal/ml



Chicken,  
pumpkin and  
sweet potato

2623-03

12896651

3,6 g

18 g

Milk, banana  
and apple  
**low in lactose**

2637

18371599

3,8 g

19 g

HiPP tube feeds are currently offered in the following countries: **Germany, Austria, Switzerland, the Netherlands, and Poland.** The product range numbers apply for Germany, Austria and Switzerland. Here you will find an overview of the countries in which we are represented and the corresponding products: [www.hipp.com](http://www.hipp.com)



# Tube feeds

As carefully produced  
as everything from HiPP

# Naturally nourished with real food



For **questions** and information:  
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[hcp.hipp.com](http://hcp.hipp.com)

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