

# Fresenius Kabi

## Tube Feed Range



|                                                 | Pharmaconutrition                                                                                                                                                                                                                              | Malabsorption                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                           | Intensive Care & Oncology                                                                                                                                                                                                                                                                                                                        | Diabetes                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                     | Moderate Energy                                                                                                                                                                                       |                                                                                                                                                                                                                                      | High energy                                                                                                                                                                          | High energy & high protein                                                                                                                                                                                                     | Extra high energy & high protein                                                                                                                                                                                                                                                      | Paediatric                                                                                                                                                                                                           |                                                                                                                                                                                                                                         |  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                 | Intestamin®                                                                                                                                                                                                                                    | Survimed OPD                                                                                                                                                                                                                  | Survimed OPD HN                                                                                                                                                                                                                                                           | Supportan                                                                                                                                                                                                                                                                                                                                        | Diben                                                                                                                                                                                                                                                                                                          | Diben 1,5 kcal HP                                                                                                                                                                                                                                                                                                                                   | Fresubin® Original                                                                                                                                                                                    | Fresubin® 1200 Complete                                                                                                                                                                                                              | Fresubin® Energy Fibre                                                                                                                                                               | Fresubin® HP Energy                                                                                                                                                                                                            | Fresubin® 2 kcal HP                                                                                                                                                                                                                                                                   | Frebini® Original                                                                                                                                                                                                    | Frebini® Energy Fibre                                                                                                                                                                                                                   |  |
| Fresenius Kabi Tube Feeds                       |                                                                                                                                                               |                                                                                                                                              |                                                                                                                                                                                        |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                  |                                                                                                                    |                                                                                                                                                   |                                                                                                   |                                                                                                                                             |                                                                                                                                                                                                    |                                                                                                                                   |                                                                                                                                                      |  |
| Recommended for use in the following conditions | <ul style="list-style-type: none"><li>• Severe or multiple trauma</li><li>• Major abdominal surgery</li><li>• Serious burns</li><li>• Patients with limited gut tolerance</li><li>• Oxidative stress</li></ul>                                 | <ul style="list-style-type: none"><li>• Short bowel syndrome</li><li>• Pancreatitis</li><li>• Chronic IBD</li><li>• Chemotherapy/ radiation-induced enteritis</li><li>• Intensive care</li><li>• After long-term PN</li></ul> | <ul style="list-style-type: none"><li>• Catabolic patients with malabsorption</li><li>• Intensive care</li><li>• Pancreatitis</li><li>• Chronic IBD</li><li>• Chemotherapy/ radiation-induced enteritis</li><li>• After long-term PN</li><li>• Fluid restricted</li></ul> | <ul style="list-style-type: none"><li>• Cancer</li><li>• Cachexia</li><li>• Chronic wasting diseases</li><li>• Immuno-compromised</li><li>• Ventilated patients</li><li>• Fluid restricted</li><li>• Electrolyte abnormalities</li></ul>                                                                                                         | <ul style="list-style-type: none"><li>• Impaired glucose tolerance</li><li>• Insulin resistance</li><li>• Diabetes mellitus</li><li>• Hyperglycaemia</li></ul>                                                                                                                                                 | <ul style="list-style-type: none"><li>• Impaired glucose tolerance</li><li>• Stress-induced hyperglycaemia</li><li>• Diabetes mellitus</li></ul>                                                                                                                                                                                                    | <ul style="list-style-type: none"><li>• Anorexia</li><li>• Loss of consciousness</li><li>• Convalescence</li><li>• Obstructions in the gastrointestinal tract</li><li>• Jejunostomy feeding</li></ul> | <ul style="list-style-type: none"><li>• Short and long term tube feeding</li><li>• Recovery from acute /chronic conditions</li><li>• Neurological conditions</li><li>• Anorexia</li><li>• Obese patients</li><li>• Elderly</li></ul> | <ul style="list-style-type: none"><li>• Cardiovascular failure</li><li>• Chronic wasting diseases</li><li>• Surgery</li><li>• Critical illness</li><li>• Fluid restriction</li></ul> | <ul style="list-style-type: none"><li>• Chronic wasting diseases</li><li>• Poor wound healing and pressure ulcers</li><li>• Surgery</li><li>• Cardiopulmonary insufficiency</li><li>• Liver diseases</li><li>• Burns</li></ul> | <ul style="list-style-type: none"><li>• Post-operative patients with high energy and protein needs</li><li>• Acutely ill patients requiring volume restriction</li><li>• Patients with chronic catabolic diseases</li><li>• Patients undergoing neurological rehabilitation</li></ul> | <ul style="list-style-type: none"><li>• Failure to thrive</li><li>• Neurological impairment</li><li>• Trauma</li><li>• After surgery</li><li>• Crohn's disease</li><li>• Chronic wasting diseases</li></ul>          | <ul style="list-style-type: none"><li>• Failure to thrive</li><li>• Neurological impairment</li><li>• Trauma</li><li>• After surgery</li><li>• Crohn's disease</li><li>• Chronic wasting diseases</li><li>• Fluid restriction</li></ul> |  |
| Features                                        | <ul style="list-style-type: none"><li>▲ High in glutamine in the form of dipeptides (30 g/500 mL)</li><li>▲ High in antioxidants vitamins: C and E, β-carotene, zinc and selenium</li><li>⊕ Contains tributyrin</li><li>⊖ Fibre-free</li></ul> | <ul style="list-style-type: none"><li>○ Normo-caloric 1 kcal/mL</li><li>⊕ 100 % hydrolysed whey protein</li><li>⊕ Contains MCT (1,40 g/100 mL)</li><li>⊕ Contains fish oil</li><li>⊖ Fibre-free</li></ul>                     | <ul style="list-style-type: none"><li>▲ High-caloric 1,33 kcal/mL</li><li>⊕ 100 % hydrolysed whey protein</li><li>⊕ Contains MCT (1,90 g/100 mL)</li><li>⊕ Contains fish oil</li><li>⊖ Fibre-free</li></ul>                                                               | <ul style="list-style-type: none"><li>▲ High-caloric 1,5 kcal/mL</li><li>▲ High in protein</li><li>▲ High in EPA from fish oil</li><li>▲ High in fat</li><li>✓ Low in carbohydrates</li><li>✓ Low in sodium (47,5 mg per 100 mL /47,5 mg per g of protein)</li><li>⊕ Contains MCT (2,3 g/100 mL)</li><li>⊕ Contains soluble fibre only</li></ul> | <ul style="list-style-type: none"><li>● NORMO-caloric 1 kcal/mL</li><li>● Rich in MUFA (3,67 g/100 mL)</li><li>● Contains fish oil</li><li>● Low glycaemic index</li><li>● Rich in antioxidants</li><li>● Contains green tea extract</li><li>● Contains mixed fibre blend</li><li>● Rich in Chromium</li></ul> | <ul style="list-style-type: none"><li>● Modified CHO profile</li><li>● High in energy 1,5 kcal/mL</li><li>● High in protein 7,5 g/100 mL</li><li>● 78 % of the fibre is soluble fibre</li><li>▲ Increased Chromium (20 µg/100 mL)</li><li>✓ Low in sodium (55 mg/100 mL /7,3 mg per g of protein)</li><li>● High in MUFA</li><li>✓ Low GI</li></ul> | <ul style="list-style-type: none"><li>○ Normo-caloric 1 kcal/mL</li><li>● Contains fish oil</li><li>● Fibre-free</li></ul>                                                                            | <ul style="list-style-type: none"><li>▲ Higher in calories 1,2 kcal/mL</li><li>⊕ High in protein</li><li>⊕ Contains fish oil</li><li>⊕ Contains mixed fibre blend</li><li>⊕ Complete in 1 litre</li></ul>                            | <ul style="list-style-type: none"><li>▲ High-caloric 1,5 kcal/mL</li><li>⊕ Contains fish oil</li><li>⊕ Contains mixed fibre blend</li></ul>                                          | <ul style="list-style-type: none"><li>● High-caloric 1,5 kcal/mL</li><li>● High in protein</li><li>● Contains MCT (3,3 g/100 mL)</li><li>● Contains fish oil</li><li>● Fibre-free</li></ul>                                    | <ul style="list-style-type: none"><li>▲ High-caloric 2,0 kcal/mL</li><li>▲ High in protein 10 g/100 mL</li><li>▲ High in MUFA (24 % of Energy)</li><li>⊕ Contains MCT (2,6 g/100 mL)</li><li>⊖ Low in sodium</li></ul>                                                                | <ul style="list-style-type: none"><li>○ Normo-caloric 1 kcal/mL</li><li>○ Contains MCT (0,87 g/100 mL)</li><li>○ Contains fish oil</li><li>○ Contains taurine, carnitine and inositol</li><li>○ Fibre-free</li></ul> | <ul style="list-style-type: none"><li>▲ High-caloric 1,5 kcal/mL</li><li>⊕ Contains MCT (1,3 g/100 mL)</li><li>⊕ Contains fish oil</li><li>⊕ Contains taurine, carnitine and inositol</li><li>⊕ Contains mixed fibre blend</li></ul>    |  |
| w-6 : w-3                                       | -                                                                                                                                                                                                                                              | 3,5:1                                                                                                                                                                                                                         | 3,7:1                                                                                                                                                                                                                                                                     | 1,5:1                                                                                                                                                                                                                                                                                                                                            | 3:1                                                                                                                                                                                                                                                                                                            | 2,4:1                                                                                                                                                                                                                                                                                                                                               | 2,2:1                                                                                                                                                                                                 | 2,3:1                                                                                                                                                                                                                                | 2,2:1                                                                                                                                                                                | 4:1                                                                                                                                                                                                                            | 2,3:1                                                                                                                                                                                                                                                                                 | 1,8:1                                                                                                                                                                                                                | 1,9:1                                                                                                                                                                                                                                   |  |
|                                                 |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                           | Values per 100 mL                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                       |                                                                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |  |
| Energy (kcal)                                   | 59                                                                                                                                                                                                                                             | 100                                                                                                                                                                                                                           | 133                                                                                                                                                                                                                                                                       | 150                                                                                                                                                                                                                                                                                                                                              | 100                                                                                                                                                                                                                                                                                                            | 150                                                                                                                                                                                                                                                                                                                                                 | 100                                                                                                                                                                                                   | 120                                                                                                                                                                                                                                  | 150                                                                                                                                                                                  | 150                                                                                                                                                                                                                            | 200                                                                                                                                                                                                                                                                                   | 100                                                                                                                                                                                                                  | 150                                                                                                                                                                                                                                     |  |
| Protein (g)                                     | 10,6 (Glutamine 6 g)                                                                                                                                                                                                                           | 4,5                                                                                                                                                                                                                           | 6,7                                                                                                                                                                                                                                                                       | 10,0                                                                                                                                                                                                                                                                                                                                             | 4,5                                                                                                                                                                                                                                                                                                            | 7,5                                                                                                                                                                                                                                                                                                                                                 | 3,8                                                                                                                                                                                                   | 6,0                                                                                                                                                                                                                                  | 5,6                                                                                                                                                                                  | 7,5                                                                                                                                                                                                                            | 10                                                                                                                                                                                                                                                                                    | 2,5                                                                                                                                                                                                                  | 3,8                                                                                                                                                                                                                                     |  |
| CHO (g)                                         | 3,75                                                                                                                                                                                                                                           | 14,3                                                                                                                                                                                                                          | 18,3                                                                                                                                                                                                                                                                      | 12,0                                                                                                                                                                                                                                                                                                                                             | 8,1                                                                                                                                                                                                                                                                                                            | 13,1                                                                                                                                                                                                                                                                                                                                                | 14,0                                                                                                                                                                                                  | 14,0                                                                                                                                                                                                                                 | 18,0                                                                                                                                                                                 | 17,0                                                                                                                                                                                                                           | 17,5                                                                                                                                                                                                                                                                                  | 12,5                                                                                                                                                                                                                 | 18,1                                                                                                                                                                                                                                    |  |
| Fat (g)                                         | 0,2                                                                                                                                                                                                                                            | 2,8                                                                                                                                                                                                                           | 3,7                                                                                                                                                                                                                                                                       | 6,7                                                                                                                                                                                                                                                                                                                                              | 5,0                                                                                                                                                                                                                                                                                                            | 7,0                                                                                                                                                                                                                                                                                                                                                 | 3,3                                                                                                                                                                                                   | 4,1                                                                                                                                                                                                                                  | 5,8                                                                                                                                                                                  | 5,8                                                                                                                                                                                                                            | 10                                                                                                                                                                                                                                                                                    | 4,4                                                                                                                                                                                                                  | 6,7                                                                                                                                                                                                                                     |  |
| Fibre (g)                                       | 0                                                                                                                                                                                                                                              | < 0,1                                                                                                                                                                                                                         | < 0,1                                                                                                                                                                                                                                                                     | 1,2                                                                                                                                                                                                                                                                                                                                              | 2,4                                                                                                                                                                                                                                                                                                            | 2,3                                                                                                                                                                                                                                                                                                                                                 | 0,1                                                                                                                                                                                                   | 2,0                                                                                                                                                                                                                                  | 1,5                                                                                                                                                                                  | 0                                                                                                                                                                                                                              | 0                                                                                                                                                                                                                                                                                     | 0                                                                                                                                                                                                                    | 1,1                                                                                                                                                                                                                                     |  |
| RDA for Micronutrients Reached (mL)             | Not suitable as a sole source of nutrition                                                                                                                                                                                                     | ≥ 1500                                                                                                                                                                                                                        | ≥ 1 000                                                                                                                                                                                                                                                                   | ≥ 500                                                                                                                                                                                                                                                                                                                                            | ≥ 1 350                                                                                                                                                                                                                                                                                                        | ≥ 1 000                                                                                                                                                                                                                                                                                                                                             | ≥ 1 500                                                                                                                                                                                               | ≥ 1 000                                                                                                                                                                                                                              | ≥ 1 500                                                                                                                                                                              | ≥ 1 500                                                                                                                                                                                                                        | ≥ 1 000                                                                                                                                                                                                                                                                               | 1 000 - 2 000*                                                                                                                                                                                                       | 1 000 - 2 000*                                                                                                                                                                                                                          |  |
|                                                 |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                       |                                                                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |  |
| Vit. D <sub>3</sub> (µg)                        | -                                                                                                                                                                                                                                              | 1,0                                                                                                                                                                                                                           | 1,5                                                                                                                                                                                                                                                                       | 2,5                                                                                                                                                                                                                                                                                                                                              | 1,1                                                                                                                                                                                                                                                                                                            | 2,0                                                                                                                                                                                                                                                                                                                                                 | 1,3                                                                                                                                                                                                   | 2,0                                                                                                                                                                                                                                  | 1,3                                                                                                                                                                                  | 1,3                                                                                                                                                                                                                            | 2,0                                                                                                                                                                                                                                                                                   | 1,0                                                                                                                                                                                                                  | 1,5                                                                                                                                                                                                                                     |  |
|                                                 |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                           | Abbreviations:<br>CHO = Carbohydrates;<br>RDA = Recommended Daily Allowance;<br>EPA = Eicosapentaenoic Acid;<br>DHA = Docosahexaenoic Acid;<br>MCT = Medium Chain Triglycerides;                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                       |                                                                                                                                                                                                                                      |                                                                                                                                                                                      | SIRS = Systemic inflammatory Response Syndrome;<br>IBD = Inflammatory Bowel Disease;<br>PN = Parenteral Nutrition;<br>MUFA = Monounsaturated Fatty Acids.<br><br>*Depending on age of child.                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |  |

# Handling EasyBags

## Preparation



Wash and disinfect your hands and/or wear gloves according to your clinical protocol to reduce the risk of hand borne contamination.



Choose the prescribed product for the patient and check the expiry date in the black bar of the EasyBag.



Check the integrity of the EasyBag and the appearance of the contents. Do not use if bag is damaged, swollen or content is coagulated or spoiled.



Shake the EasyBag well to ensure the feed is fully mixed, before connecting the giving set to the EasyBag.

## Connecting the giving set to the EasyBag

standing EasyBag



hanging EasyBag



The giving set and the EasyBag can be connected in any position without leakage due to the unique resealing membrane in the port.

Remove the wing-shaped tamper evident cap which, due to the unique resealing membrane, guarantees that the EasyBag is unopened.

Close the roller clamp of the giving set before connecting the EasyBag to the giving set.

Remove the protective cap from the spike of the giving set.

Connect the giving set spike to the EasyBag port.

## Connecting the giving set to the EasyBag (continued)

standing EasyBag



hanging EasyBag



Fix the screw for a tight and safe connection. Hang the connected EasyBag on the infusion pole.

Pre-fill the drip-chamber half way.

(continued ...)

# Handling EasyBags (continued)

## Gravity / pump assisted feeding



The EasyBag can be connected with:

- ▶ a gravity giving set
- ▶ a giving set for pump assisted feeding as needed according to the prescribed feeding protocol.

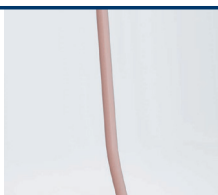
For gravity feeding: prime the line with feed to ensure no air is administered. Adjust the roller clamp to achieve the prescribed feed flow rate.

For gravity feeding: check the flow rate regularly and adjust the roller clamp if needed.

For pump assisted feeding: place the giving set into the pump, prime the line with feed to ensure no air is administered. Program the pump flow rate according to the prescribed feeding protocol.

## Disconnecting the giving set from the EasyBag

standing  
EasyBag



hanging  
EasyBag



The EasyBag can be disconnected standing or hanging due to the unique resealing membrane inside the port.

Close the flow on the giving set by closing the roller clamp or engaging the fixed clamp. Disconnect the giving set from the enteral feeding tube. Flush the enteral feeding tube with water as per local policy.

Unscrew the giving set.

Disconnect the giving set spike from the EasyBag port and dispose of it.

There is no liquid flow - the disconnected EasyBag is closed, the content is protected from oxygen and contamination due to the resealing membrane inside the port.

## Bolus feeding



Remove the wing-shaped tamper evident cap which guarantees that the EasyBag is unopened.

Remove the protective cap from the spike of the giving set.

Connect the spike of the bolus adapter to the port of the EasyBag. Fix the screw for a tight and safe connection.

Connect the syringe to the funnel adapter and draw up the formula in the syringe.

Bolus adapter and EasyBag can stay connected until next use for a max. of 24 hours considering hygienic handling. Dispose of both after 24 hours.