

The Insides[®] System^{v3}

Purpose-built **chyme reinfusion therapy** for intestinal failure and rehabilitation



What is Chyme Reinfusion Therapy?

Chyme reinfusion therapy is a life-saving procedure for patients with severe intestinal failure as a result of high-output intestinal losses of **chyme** from their double-lumen enterostomy or fistula.

Chyme reinfusion therapy allows patients to utilise the nutrient rich chyme that passes into their ostomy appliance and reinfuse it back into the distal portion of their intestine to restore continuity. This allows patients to resume oral feeding and reduce or wean off parenteral nutrition (PN)¹.

The Insides System^{v3}

The Insides System, a purpose-built medical device for automated **chyme reinfusion**, enables a patient-managed experience and significant reduction in the labour and handling of chyme compared to traditional methods of manual chyme reinfusion.

The Insides System is made up of 3 components: **Driver, Pump and Tube**

1. The Driver magnetically couples to the Pump through the ostomy appliance.
2. Chyme is propelled up the Tube into the distal limb for reabsorption of nutrient and fluids.
3. Reinfusion takes between 3-5 minutes depending on the viscosity and can be performed multiples times a day.

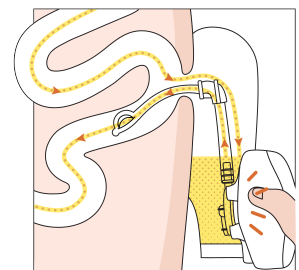
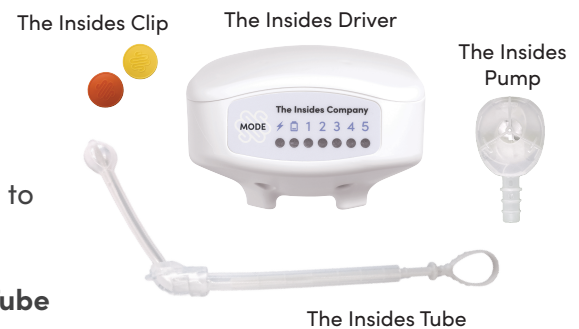


Figure 1. Chyme reinfusion being performed by The Insides System

Clinical Indications for Chyme Reinfusion Therapy

Type 2 Intestinal Failure

- Nutritional support
- Reduce or wean off PN
- Reduce the risk of line sepsis and liver impairment

High-Output Ileostomy

- Reduce dehydration and readmissions due to adjuvant chemotherapy

Pre-Closure Bowel Rehabilitation

- Reverse intestinal atrophy
- Function testing prior to closure
- Reduce risk of post-operative complications

Clinical and Economic Benefits



Reduced intestinal losses¹

- 85% reduction in intestinal losses



Restoration of Gut Function²

- Reverse gut atrophy and inflammation



Return to Oral Feeding¹

- >91% weaned off PN (median 2 days)



Patient Nutritional Index¹

- Improved Nutritional Risk Index by 10.9



Improved Liver Function

- 53% reduction in liver abnormalities³



Significant Economic Savings

- Cost savings from reduction in PN and hospitalization

The Insides[®] System^{v3}



SKU: PS005 or PS006

PS005 (UK & EU) or PS006 (Rest of World)

- 1 x The Insides Driver
- 10 x The Insides Pump
- 3 x The Insides Tube (2 x 28Fr, 1x 22Fr)

The Insides[®] System Refill^{v3}

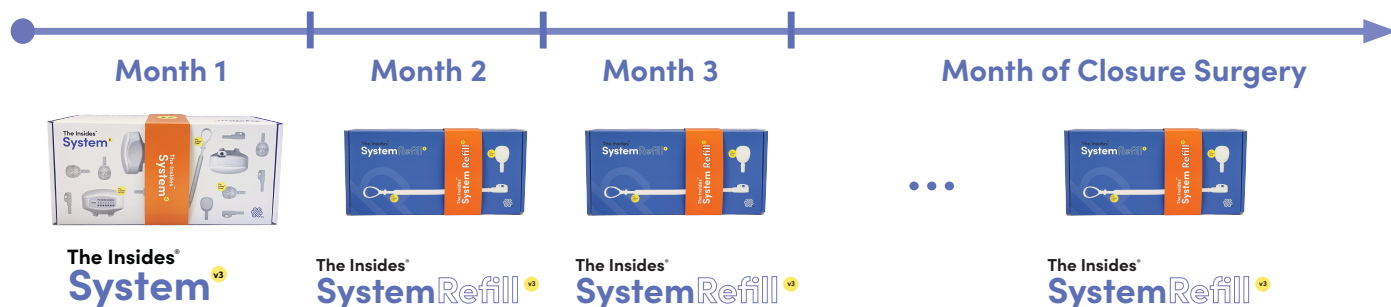


SKU: PS008 or PS026

- 10 x The Insides Pump
- 1 x The Insides Tube
- 1 x 28Fr (PS008) or 1 x 22Fr (PS026)

Patient Journey Using The Insides System

- Patients are first prescribed with **The Insides System** at the beginning of their treatment journey.
- For every subsequent month the patient is on therapy, they are provided **The Insides System Refill**.
- Patients remain on The Insides System until closure surgery.



Patient Suitability for Chyme Reinfusion Therapy

- High-output enterocutaneous fistula or enterostomy patient with an output of >800 mL/24 hour.
- Patients have an accessible distal limb of intestine with no downstream obstruction.
- Fistula or enterostomy contained within one ostomy appliance.
- No downstream stenosis, obstruction, or anastomotic leak.

Scan for more information



**Gold Winner
2021 MDEA
Gastro Category**



**Cleared for
Market in 30+
Countries**



**FDA Breakthrough
Device Designation**

References:

1. Picot et al., (2017) Chyme reinfusion in patients with intestinal failure due to temporary double enterostomy: A 15-year prospective cohort in a referral centre (Clin Nutr)
2. Klek et al., (2016) Management of acute intestinal failure: A position paper from the European Society for Clinical Nutrition and Metabolism (ESPEN)
3. Layec et al., (2020) Management of entero-atmospheric fistulas by chyme reinfusion: A retrospective study (Clin Nutr)