

# NEONATOLOGY

## ENTERAL NUTRITION **nutrisafe2**

The safe enteral feeding  
system adapted to neonates



©SOS Préma - @marlene.puericultrice

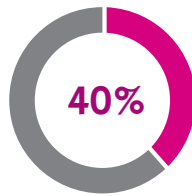


Value Life

# HISTORY OF nutrisafe2

## Misconnections

- Enteral
- Others



Misconnections in enteral nutrition have been a recognized issue at an international level for several years. 40% of these misconnections are attributed to enteral clinical area, and the consequences are often critical and deadly<sup>(1)</sup>.

1995

Vygon creates nutrisafe1, a reverse Luer system

2005

Vygon creates nutrisafe2, a safe system fully incompatible with Luer systems

2016

Creation of the ISO 80369 for safety connections including ENFit™, with concerns regarding the adequation with neonatal patients<sup>(2)</sup>

Today

Vygon keeps on track with nutrisafe2, ISO 80369-1 compliant and designed for premature and newborn babies

## MORE THAN 20 YEARS OF EXPERIENCE IN NEONATOLOGY!

No reported misconnection with nutrisafe2  
Satisfied customers from more than 40 countries

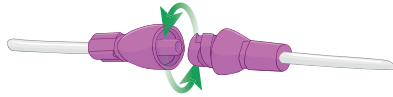
IN NEONATOLOGY, THINK...





## Safe

Specially designed for neonatal patients, nutrisafe2 is a unique safe enteral feeding system incompatible with Luer and other small-bore connectors in accordance with ISO 80369-1 requirements. The risk of misconnection is minimized, and the patient safety is increased.



The lockable system provides additional security. Accidental disconnection is practically impossible, ensuring precious nutrients are received.



## Clean

Feeding tubes must not create extra risk to neonates by introducing bacteria into their digestive tract.

The design of ENFit™ comes with the need of setting up a cleaning procedure, and that even followed thoroughly, only 31% of connectors were off residues<sup>(3)</sup>.

Even when using specific adapted tools, the cleaning is not sufficient and the bacterial count doesn't differ from other cleaning methods<sup>(6)</sup>.



nutrifit    nutrisafe2

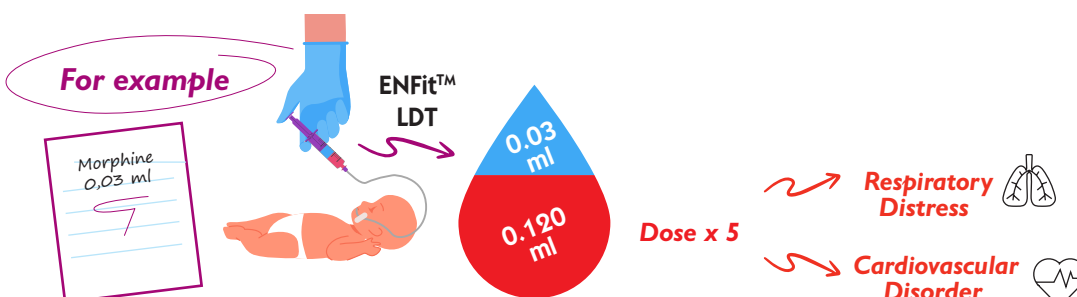
nutrisafe2 is, by design, less prompt to keep residues. Indeed, nutrisafe2 connectors have a less threaded interior to sequester milk or medication and is much smaller.<sup>(5)</sup>



## Accurate

Dose accuracy is of great importance in the NICU wards, especially for critical drugs administration. For example, the morphine dose for a preterm baby can start at 0.03 ml. Fluid displacement creates an overdosing risk with the syringes.

	nutrisafe2	Low dose tip	ENFit™
Overdosing risk <sup>(2)(4)</sup>	0.029 ml	0.120 ml	0.148 ml <sup>(2)</sup>



## PRODUCT RANGE nutrisafe2



Feeding tubes



Syringes



Extension lines



Sampling devices



Accessories



Syringe pump

Find out more:



[www.safe-enteral.com](http://www.safe-enteral.com)



[Enteral catalogue](#)

## REFERENCES

<sup>(1)</sup> O Mara K, Campbell C. Dosing inaccuracy with enteral use of ENFit® low-dose tip syringes: The risk beyond oral adapters. J Clin Pharm Ther. 2020 Apr;45<sup>(2)</sup>:335-339. doi: 10.1111/jcpt.13079. Epub 2019 Nov 22. PMID: 31755574.

<sup>(2)</sup> International Standard Organization, <sup>(2016)</sup>, Small-bore connectors for liquids and gases in healthcare applications Part 3: Connectors for enteral applications Annex A, ISO 80369-3:2016, ISO.

<sup>(3)</sup> Lyman, B., Rahe, K. L., Keeler, D., Sherman, A. K., & Abdelhadi, R. A. <sup>(2020)</sup>, Randomized Controlled Trial Assessing the Effectiveness of Two Cleaning Regimens for ENFit® Connectors. Medsurg Nursing, 29<sup>(6)</sup>, 401-406

<sup>(4)</sup> Study on the over-dosing risk of the « ENFit Low Dose Tip » syringe during its use, March 2018, Vygon & Andhe

<sup>(5)</sup> Risks for Neonates Due to ENFit™ von Dr. Keliana O Mara.; 2022. Accessed August 4, 2022. <https://www.youtube.com/watch?v=oq1I9-Nwlhg&t=2160s>

<sup>(6)</sup> Koya H, Ishino K, Kishimoto M, Kurata N: Comparison of Methods for Cleaning Enteral Feeding Tube Junctions of the New International Standard (ISO 80369-3). Ann Nutr Metab 2022;78:207-212. doi: 10.1159/000525367

FOR FURTHER INFORMATION, PLEASE CONTACT: [questions@vygon.com](mailto:questions@vygon.com)

The specification shown in this leaflet are for information only and are not, under any circumstances, of a contractual nature.

VYCON – 5, RUE ADELIN – 95440 ECOUEN – FRANCE

RECEPTION: +33 (0)1 39 92 63 63 – SERVICE CLIENTS FRANCE: +33 (0)1 39 92 63 81

EXPORT CUSTOMER SERVICE: +33 (0)1 39 92 64 15

[www.vygon.com](http://www.vygon.com)



Value Life