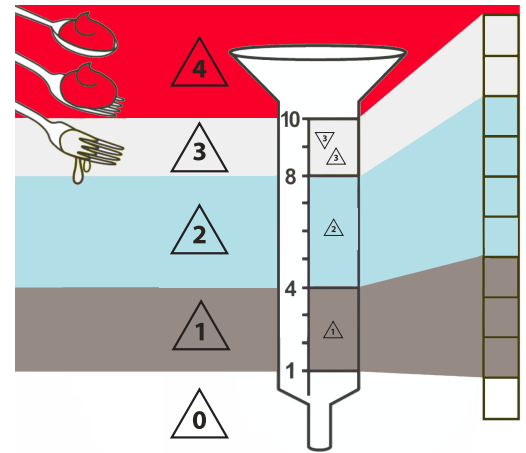


Freedom and flexibility with thick formula for tube feeding

More healthcare providers are prescribing blenderized tube feeding at home, in part because of patient preference. Blenderized formulas may improve malnutrition and gastrointestinal (GI) symptoms, supporting overall healing and recovery.^{1,2}

The Cardinal Health™ Kangaroo OMNI™ Enteral Feeding Pump is the first and only FDA-approved feeding pump in the U.S. designed to deliver thick, homogenized, blenderized formula categorized as Level 2, 3 or 4 drinks within the IDDSI framework.



55% of U.S. patients used blenderized tube feeding at home¹

80%+ had a desire to use blenderized formulas¹

55%+ adult and pediatric patients use blenderized tube feeding³

Types of blenderized tube formulas

- Homemade blenderized/prepared formula: Real or whole foods blenderized at home for tube feeding
- Commercially blenderized formula: Real or whole foods blenderized by a manufacturer using an industrial blender and prepackaged for use

Benefits of thick formula

- Real food ingredients, a natural alternative to synthetic formulas⁴
- Well-tolerated in post-acute care adults²
- Reduced GI symptoms in adults and children^{2,3}
- Improved gut microbiome³
- Inclusion of foods family or friends are eating³
- Increased oral intake³
- Increased caregiver satisfaction³
- Easier to adhere to religious or dietary preferences and avoid food allergens

Risks of blenderized formula

- Clogging/occlusions⁵
- Under-delivery of formula⁵
- Variable macronutrients, posing a risk of undernutrition⁵
- Contamination because of limited hang times⁵

Best practices

Thick formula provides more options for patients when used safely.

- Use under the guidance of a dietitian or care team⁵
- Follow guidelines for hang time for homemade blenderized formulas (two hours or less)^{4,5}
- Prepare with safe handling techniques to help prevent contamination^{4,5}
- Test the thickness of thick formulas using one of the IDDSI tests to reduce the risk of clogging/occlusion⁶

Kangaroo OMNI™ Enteral Feeding Pump features

- Designed to deliver IDDSI Level 2, 3 or 4 formulas⁶
- Thick formula feeding set with a larger diameter and color-coded cassettes
- Feed/flush options available to help prevent tube occlusion
- Accuracy rating of +/- 10% or 1mL/hr when thick formula is used with the Kangaroo OMNI™ Thick Formula ENTelliSet™

Disclaimer: Prior to use, refer to the instructions for use supplied with this device for indications, suggested procedure, warnings and cautions.

References: 1. Hurt RT, Edakkanambeth Varayil J, Epp LM, et al. Blenderized tube feeding use in adult home enteral nutrition patients: A cross-sectional study. *Nutr Clin Pract.* 2015;30(6):824-829. doi:10.1177/0884533615591602 2. Henrikson A, Desai A, Allen F, et al. Clinical benefits of real food tube feeding formulas compared to plant-based standard tube feeding formulas in post-acute care adult patients. Poster presented at: ASPEN Nutrition Science & Practice Conference; April 20-23, 2023; Las Vegas, NV. <https://aspenjournals.onlinelibrary.wiley.com/doi/10.1002/jpen.2491> 3. Bennett K, Hjelmgren B, Piazza J. Blenderized tube feeding: Health outcomes and review of homemade and commercially prepared products. *Nutr Clin Pract.* 2020;35(3):417-431. doi:10.1002/ncp.10493 4. 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. doi:10.1002/ncp.11055 5. Boullata JJ, Carrera AL, Harvey L, et al. ASPEN safe practices for enteral nutrition therapy. *JPEN J Parenter Enteral Nutr.* 2017;41(1):15-103. doi:10.1177/0148607116673053 6. International Dysphagia Diet Standardisation Initiative. The IDDSI Framework. [iddsi.org](https://iddsi.org/framework). Accessed October 19, 2023.

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