

ΔVΔNOS | NEOMED*

PRODUCT CATALOGUE

ENTERAL FEEDING - A VITAL LIFELINE



TABLE OF CONTENTS

Introduction	3
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MILK COLLECTION BOTTLES

Breast Milk (HBM) Collection Bottles	4
Transfer Lids	4

NASOGASTRIC/OROGASTRIC FEEDING TUBES

PVC & Polyurethane	5,6
Silicone	7

Cleaning Tool	7
---------------	---

GRAVITYPRO [®] Syringes	8
----------------------------------	---

Extension Sets	9
----------------	---

Oral/Enteral Syringes	10,11
-----------------------	-------

Syringe Accessories	11
---------------------	----

Pharmacy Syringes	12
-------------------	----

ACCESSORIES

Pharmacy Caps	12
---------------	----

Adapters	13
----------	----

Fill Cap Coupler	13
------------------	----

Drawing up straws	13
-------------------	----

DOSEMATE [®]	14
-----------------------	----

A comprehensive solution for enteral delivery requires addressing both clinical efficacy and patient safety.

The Role of Devices in Nutrition Delivery

Enteral devices including their connectors, unique design features, proprietary interfaces, dead space and priming volumes create opportunities to reduce volume losses of HBM in the enteral delivery system. In addition, fat losses created by fat separation through discrete components in the system may be reduced.¹

Fortification and supplements are often utilised to ensure that the NICU patient receives optimal nutrition. Clinicians have devised work around approaches to try to reduce the amount of fat and nutrient loss.

Lipid Delivery Challenges

Some protocols suggest that enteral delivery be made with the syringe tip pointed up. In gravity feeds, this is not physically possible. With pump delivery, many pump manufacturers exclude vertical syringe orientation. With many pumps, vertical orientation is not advisable and is, in fact, contraindicated in the user manuals.

Safety & Misconnection Prevention

The initiative to prevent misconnections between different fluid delivery systems within the healthcare system resulted in the creation of the ISO 80369 series of standards. The ISO 80369-3 standard describes the dimensions and functional requirements for enteral small-bore connectors known in the industry as ENFit®.

1. Wages SA. Examination of Fat Loss from Human Breast Milk in Oral/Enteral Syringes from Different Manufacturers. Alpharetta, GA: April 2014. Available Upon Request

BREASTMILK AND COLOSTRUM CONTAINER WITH TRANSFER LID

The Role of Devices in Delivery

Studies suggest the best method to avoid clinical complications is to administer immediate and regular feeds of fresh HBM.¹

Enteral devices including their connectors, unique design features, proprietary interfaces, dead space, and priming volumes create opportunities to reduce volume losses of HBM in the enteral delivery system. In addition, fat losses created by fat separation may be reduced.²

The appropriate preparation and handling of feeds for infants and children in clinical practice is crucial to the delivery of a safe and accurate feed. There should be full traceability of prepared feeds in all healthcare settings.³

Containers in a range of sizes enable mothers to use ones that most closely match the volume of milk being collected. Providing large containers to mothers who are expressing small volumes can be demoralising for them.³

Milk Collection Bottle – The NEOMED® Bottle line offers clearly printed and accurate volume markings in 1-mL increments necessary for precise mixing and compounding:

- Unique 'concave' floor helps pool volume to a narrow area for removal of every single drop of colostruma
- Base is designed to keep bottle from rolling when on its side
- Universal thread fits most breast pump shields
- Clear black gradient markings in both mL and oz
- Graded area for labelling on side of bottle
- Purple transfer lid with pop-off cap



Breastmilk and Colostrum Container with Transfer Lid

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PSC-1NC	30mL ENFit® Collect Container, Sterile, Purple	100
PSC-2NC	60mL ENFit® Collect Container, Sterile, Purple	40

The NEOMED® ENFit® Transfer Lid fits a wide variety of standard collection bottles

PTL-NC	ENFit® Transfer Lid Sterile Purple	200
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1. Dutta, Sourabh, and Balpreet Singh. "Guidelines for Feeding Very Low Birth Weight Infants." 15 Jan. 2017. 2. Wages SA. Examination of Fat Loss from Human Breast Milk in Oral/Enteral Syringes from Different Manufacturers. Alpharetta, GA: April 2014. Available Upon Request 3. BDA Guidelines for the Preparation and Handling of Expressed and Donor Breast Milk and Specialist Feeds for Infants and Children in Neonatal and Paediatric Health Care Settings 2019

NASOGASTRIC/OROGASTRIC ENTERAL FEEDING TUBES

NEOMED® Enteral Feeding Tubes are available in silicone, polyurethane and PVC.

As an ENFit® transition leader, AVANOS/NEOMED® is committed to enhancing patient safety by offering ISO 80369-3-compliant (ENFit®) products that reduce the risk of enteral misconnections.

ENFit® ONE SOLUTION. ONE CONNECTION.

Support Infection Prevention Protocols

- NEOMED® ENFit® Feeding Tubes feature an open-hub design which may help reduce bacterial growth
- NEOMED® polyurethane and silicone feeding tubes feature an open distal tip and three offset portholes with no hidden cavities to help minimise colonisation
- Radiopaque stripe and bold markings at each centimetre help during insertion and to confirm placement
- Regular numeric cm markings for visualisation of tube movement at nare, supports accurate documentation
- The ENFit® Cleaning Tool is designed to remove debris from the feeding tube hub

All NEOMED® feeding tubes have tethered caps to avoid small loose parts that could become choking hazards.



PVC

PVC, non-stylet, ENFit® connector with open hub, purple radiopaque stripe, numeric cm markings, closed distal end, side holes

Length of Use 30 days indwelling – recommended up to 5 days

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY	PRIMING VOLUME
PFTS5.0V-NC	PVC, purple radiopaque stripe, 5Fr x 40cm	25	0.4 mL
PFTM5.0V-NC	PVC, purple radiopaque stripe, 5Fr x 60cm	25	0.5 mL
PFTS6.5V-NC	PVC, purple radiopaque stripe, 6.5Fr x 40cm	25	0.6 mL
PFTM6.5V-NC	PVC, purple radiopaque stripe, 6.5Fr x 60cm	25	0.9 mL
PFTL6.5V-NC	PVC, purple radiopaque stripe, 6.5Fr x 90cm	25	1.3 mL
PFTS8.0V-NC	PVC, purple radiopaque stripe, 8Fr x 40cm	25	0.9 mL
PFTM8.0V-NC	PVC, purple radiopaque stripe, 8Fr x 60cm	25	1.3 mL
PFTL8.0V-NC	PVC, purple radiopaque stripe, 8Fr x 90cm	25	1.8 mL

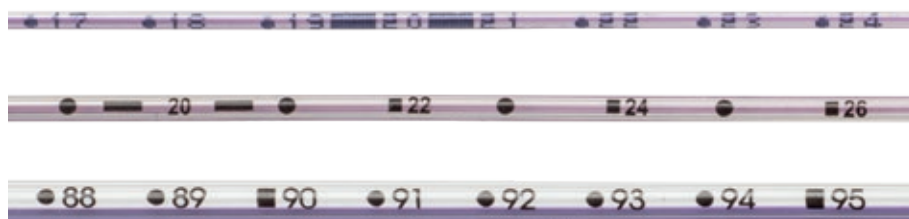
POLYURETHANE

Polyurethane, non-stylet, EnFit® connector with open hub, purple radiopaque stripe, numeric cm markings, open distal atraumatic tip, side holes

Length of Use 30 days indwelling

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY	PRIMING VOLUME
PFTS4.0P-NC	Polyurethane, purple radiopaque stripe, 4Fr x 40cm	10	0.2 mL
PFTS5.0P-NC	Polyurethane, purple radiopaque stripe, 5Fr x 40cm	10	0.4 mL
PFTM5.0P-NC	Polyurethane, purple radiopaque stripe, 5Fr x 60cm	10	0.5 mL
PFTL5.0P-NC	Polyurethane, purple radiopaque stripe, 5Fr x 90cm	10	0.7 mL
PFTS6.5P-NC	Polyurethane, purple radiopaque stripe, 6.5Fr x 40cm	10	0.6 mL
PFTM6.5P-NC	Polyurethane, purple radiopaque stripe, 6.5Fr x 60cm	10	0.8 mL
PFTL6.5P-NC	Polyurethane, purple radiopaque stripe, 6.5Fr x 90cm	10	1.2 mL
PFTS8.0P-NC	Polyurethane, purple radiopaque stripe, 8Fr x 40cm	10	0.9 mL
PFTM8.0P-NC	Polyurethane, purple radiopaque stripe, 8Fr x 60cm	10	1.3 mL
PFTL8.0P-NC	Polyurethane, purple radiopaque stripe, 8Fr x 90cm	10	1.9 mL
PFTM10.0P-NC	Polyurethane, purple radiopaque stripe, 10Fr x 109cm	10	5.0 mL
PFTM12.0P-NC	Polyurethane, purple radiopaque stripe, 12Fr x 109cm	10	6.0 mL
PFTXL5.0P-NC	Polyurethane, purple radiopaque stripe, 5Fr x 105cm	10	0.8 mL
PFTXL8.0P-NC	Polyurethane, purple radiopaque stripe, 8Fr x 105cm	10	2.2 mL

SILICONE



Silicone, non-stylet, ENFit® connector with open hub, purple radiopaque stripe, numeric cm markings, open distal atraumatic tip, side holes

Length of Use 30 days indwelling

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY	PRIMING VOLUME
PFTS5.0S-NC	Silicone, purple radiopaque stripe, 5Fr x 40cm	10	0.3 mL
PFTM5.0S-NC	Silicone, purple radiopaque stripe, 5Fr x 60cm	10	0.4 mL
PFTL5.0S-NC	Silicone, purple radiopaque stripe, 5Fr x 90cm	10	0.6 mL
PFTS8.0S-NC	Silicone, purple radiopaque stripe, 8Fr x 40cm	10	0.7 mL
PFTM8.0S-NC	Silicone, purple radiopaque stripe, 8Fr x 60cm	10	1.0 mL
PFTL8.0S-NC	Silicone, purple radiopaque stripe, 8Fr x 90cm	10	1.3 mL

CLEANING TOOL

The NEOMED® ENFit® feeding tube's open-hub design combined with the use of our cleaning tool, helps mitigate bacterial colonisation and reduce debris accumulation.

ENFit® closed hubs feature a recess that can accumulate debris.

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PNM-CA	ENFit® cleaning tool	24



GRAVITYPRO* SYRINGES

NEOMED* GRAVITYPRO* Syringes offer an easy-to-use clinical solution for gravity feeds.

NEOMED* GRAVITYPRO* Syringes feature an integrated hanger designed to eliminate the need to hand-hold while gravity-feeding and a vent zone designed to minimise exposure to air by allowing venting to occur while the plunger is in place. Alternatively, they will work with an enteral syringe pump for continuous feeds.

Suited for gravity or pump feeds

- Ideal reservoirs for collection of 'output' during stomach decompression
- Integrated Hanger - Clinicians no longer need to use hanging material such as tape
- Vent Zone - Vented design minimises exposure to air by allowing venting to occur while the plunger is still in place

Clear barrel, white plunger, purple markings, purple self-righting cap, single use



PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PNM-S20NCV	20mL ENFit® GRAVITYPRO* Syringe Purple, Sterile	100
PNM-S100NCV	100mL ENFit® GRAVITYPRO* Syringe Purple, Sterile	40

EXTENSION SETS FOR NASO/OROGASTRIC ENTERAL FEEDING TUBES

Academy of Nutrition and Dietetics (AND) recommends that extension sets be changed every 4 hours

Straight

- Features a proximal tethered closure
- Our most popular male/female extension set
- Regular bore set
- For use with pumps or continuous feeds

Bifurcated

- Commonly used in Level III NICUs including Children's Hospitals that frequently care for immunocompromised patients and pre-/post-surgical gut patients
- Features a proximal tethered closure and a distal-cap closure Regular bore set - The 152-cm bifurcated set can allow the clinician to administer medications without breaching the closed-enteral system
- In some circumstances the extension set's inner diameter (ID) needs to be large enough to allow viscous formulas and HBM compounded with powdered HMF to flow without causing pressure alarms from the pumps while, at the same time, balancing the ID to keep priming volumes low

Large Bore

- Accommodates fortified nutrition with a roller clamp to start or stop flow
- Used in Level III NICUs that do custom compounding and fortifications (neonates and paediatrics)
- Large-Bore sets require shorter lengths to maintain priming volumes at less than 2 mL
- Features a proximal tethered closure

EXTENSION SETS

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY	PRIMING VOLUME
PEXT-60NC	152cm ENFit® Ext Set Standard Purple	50	1.8 mL
PEXT-60YNC	152cm ENFit® Ext Set Bifurcated Purple	50	1.8 mL
PEXT-48BNC	122cm ENFit® Ext Set Large Bore Purple	50	1.8 mL
PEXT-8YNC	20cm ENFit® Ext Set Bifurcated Purple	50	0.6 mL
PEXT-18BNC	46cm ENFit® Ext Set XL Bore Purple	50	1.4 mL
PEXT-30BNC	76cm ENFit® Ext Set XL Bore Purple	50	1.9 mL

ORAL /ENTERAL SYRINGES

Avanos offers a comprehensive portfolio of ENFit® and non-ENFit® syringes from 1 mL to 100 mL. NEOMED® syringes are designed with an off-centre tip and a solid polypropylene plunger with a flatter head and silicone O-ring gasket. Using NEOMED® syringes could reduce total fat loss typical of concentric enteral syringes by **5%-15%**.

Committed to Best Practices

Our hands-free, self-righting tip caps are designed to minimise excessive handling and promote aseptic technique. Our syringes are manufactured as single-piece moulded barrels that do not rely on adapters to create an oral or ENFit® tip. NEOMED® is committed to comply with best-practice recommendations set forth by the FDA, Joint Commission, GEDSA, ISMP and ECRI Institute.

Quality Material

The plunger is designed to fully sweep the sides of the syringe barrel, ensuring the most complete delivery available. The syringe is made from USP Class VI polypropylene material that does not interfere with the delivery of lipids.

Maximum Nutrition Delivery

The off-set tip is designed to deliver colostrum first when placed in a horizontal syringe pump, making the most of the available nutrition.

Polypropylene Plunger Head

The NEOMED® solid polypropylene plunger head with O-Ring is flatter, creating less surface area for unwanted fat adhesion when compared to conical rubber plunger head syringes.

Rubber Plunger Head

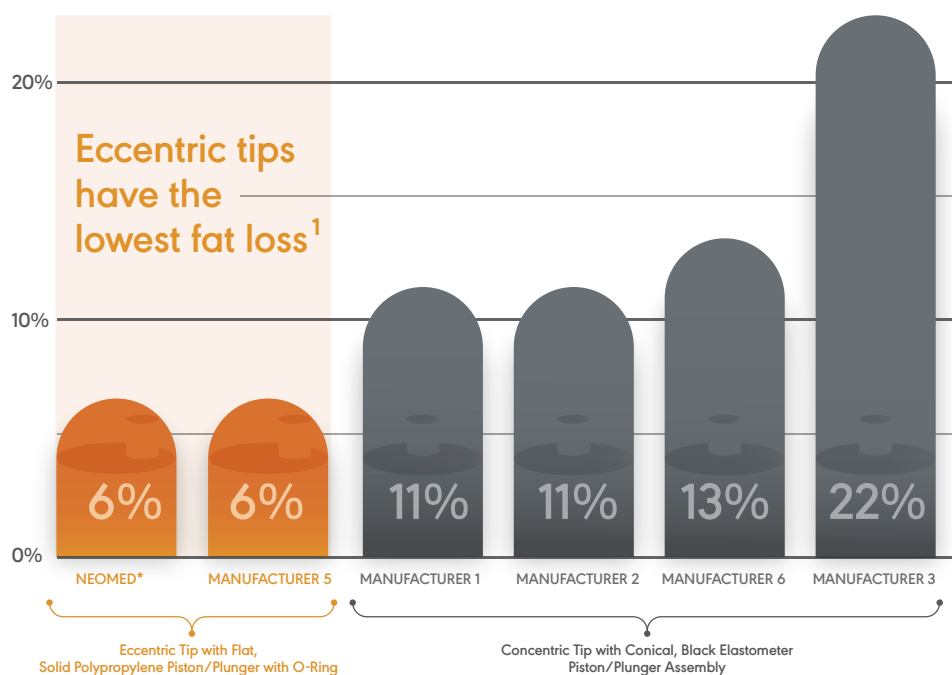
Rubber plunger tips are more conical, creating more surface area for unwanted lipid/fat adhesion to the surfaces of both the plunger piston and the end of the syringe.

Qualified on the following pumps:

SMITH Medfusion 3500 & 4500 (6, 12, 20, 35, 60, 100)

ABC 4100 (3, 6, 12, 20, 35, 60, 100)

BBraun Perfuser (3, 6, 12, 20, 35, 60)



1. Wages SA. Examination of Fat Loss from Human Breast Milk in Oral/Enteral Syringes from Different Manufacturers. Alpharetta, GA: April 2014. Available Upon Request

ENFit® SYRINGES

Low-Dose Tip: sizes 1mL – 6mL to ensure low-volume dosing accuracy
Clear barrel, white plunger, purple markings, purple self-righting cap, single use

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PNM-S1NC	1mL ENFit® Syringe Purple, Sterile	200
PNM-S3NC	3mL ENFit® Syringe Purple, Sterile	200
PNM-S6NC	6mL ENFit® Syringe Purple, Sterile	200
PNM-S12NC	12mL ENFit® Syringe Purple, Sterile	200
PNM-S20NC	20mL ENFit® Syringe Purple, Sterile	100
PNM-S35NC	35mL ENFit® Syringe Purple, Sterile	100
PNM-S60NC	60mL ENFit® Syringe Purple, Sterile	100



ORAL SYRINGES

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PNM-S1EO	1mL Oral Syringe, Purple Sterile	200
PNM-S3EO	3mL Oral Syringe, Purple Sterile	200
PNM-S6EO	6mL Oral Syringe, Purple Sterile	200
PNM-S12EO	12mL Oral Syringe, Purple Sterile	200



SYRINGES ACCESSORIES

NEOSECURE® Caps

- Hands-free and self-righting
- Promotes aseptic technique
- Minimises process cycle times

Syringe-to-Syringe Coupler

- Connects ENFit® syringes for transferring or mixing
- Facilitates patient-specific dosing from another syringe

Tamper-Evident Cap

- Enhances the security of the syringe and its contents from the time it leaves the pharmacy until the time it is dispensed

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PNM-TCNC	ENFit® NEOSECURE® Tip Cap Sterile Purple	200
PNS-TENC	ENFit® Tamper Evident Cap Non Sterile Purple	1000
PCO-FNC	ENFit® F-F Syringe Coupler Sterile Purple	100
PCO-FNC-NS	ENFit® F-F Syringe Coupler Non-Sterile Purple	400



PHARMACY SYRINGES

Amber syringe blocks **63%** of light with wavelength of 290-450 nm

BULK AMBER SYRINGES



ENFit®

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
BA-S1NC	1mL ENFit® Syringe Amber Non-Sterile	500
BA-S3NC	3mL ENFit® Syringe Amber Non-Sterile	500
BA-S6NC	6mL ENFit® Syringe Amber Non-Sterile	500
BA-S12NC	12mL ENFit® Syringe Amber Non-Sterile	500

ORAL

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
BA-S1EO	1mL Oral Syringe Amber Non-Sterile	500
BA-S3EO	3mL Oral Syringe Amber Non-Sterile	500
BA-S6EO	6mL Oral Syringe Amber Non-Sterile	500
BA-S12EO	12mL Oral Syringe Amber Non-Sterile	500

ACCESSORIES

Pharmacy Caps

- Promotes dosing accuracy by displacing same volume as ENFit® male connector
- Designed for rapid filling operation
- Friction-fit connection to minimise impact to process flow, productivity and drawing-up of cycle times



PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PC-ANC	ENFit® Pharm Cap 18mm purple	25
PC-BNC	ENFit® Pharm Cap 20mm purple	25
PC-CNC	ENFit® Pharm Cap 22mm purple	25
PC-DNC	ENFit® Pharm Cap 24mm purple	25
PC-ENC	ENFit® Pharm Cap 28mm purple	25
PC-GNC	ENFit® Pharm Cap 33mm purple	25
PC-INC	ENFit® Pharm Cap 38mm purple	25

ADAPTERS

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
F00133	Distal End ENFit® Transition Adapter	30
F00148	Oral/Luer ENFit® Transition Adapter	10

FILL CAP COUPLER



- Designed to allow ENFit® syringes to be filled from medication bottles fitted with legacy fill caps
- Works with current oral pharmacy bottle adapters: press-in adapters and bung-style adapters intended for oral syringes

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
PC-EONC	ENFit® Fill Cap Coupler Non-Sterile Purple	150
PCO-FNC-NS	ENFit® F-F Syringe Coupler Non-Sterile Purple	400

DRAWING UP STRAWS

- Available in 7.7cm and 15cm. The 7.7cm Micro-Bore straw is ideal for accessing medications from small vials
- When a NEOMED® Transfer Lid is not available, a straw should be used to minimise bacterial exposure when drawing formula or HBM from bottles



PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY	PRIMING VOLUME
PEXT-3STBNC	7.7cm ENFit® Straw Large Bore, Purple	50	0.1 mL
PEXT-6STBNC	15cm ENFit® Straw Large Bore, Purple	50	0.7 mL
PEXT-3STNC	7.7cm ENFit® Straw, Purple	50	0.1mL

ORAL DOSEMATE*

NEOMED® has an innovative range of products including DOSEMATE®, an administration tip that is ergonomically designed for patient comfort when oral dosing directly to the mouth with an ENFit® syringe.

DOSEMATE® DL is ideal for dosing oral medications directly into the cheek or back of the mouth.

Both DOSEMATE® and DOSEMATE® DL provide patient comfort when administering medications orally to neonatal or paediatric patients and mitigates concerns over placing threaded syringe tips or safety tabs directly into babies’ mouths.

PRODUCT CODE	DESCRIPTION	UNIT OF SUPPLY
POA-TNCL	ENFit® DOSEMATE® DL Purple	24
POA-TNC	ENFit® DOSEMATE® Purple	50



The NEOMED portfolio – a comprehensive enteral nutrition, medication and safety solution to meet the specific needs of your neonatal and low-birthweight babies*

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