

# 24G Nutriline

## Peripherally inserted catheter with Microflash introducer

24G Nutriline's one-piece catheter construction provides clinicians with a high degree of safety. The peelable Microflash introducer cannula enables the catheter to be safely advanced into the vein. Additional security is provided by a small primary wing to help minimise the risk of catheter movement and kinking.

Clinicians have a choice of different catheter lengths to ensure accurate tip placement for most IV access sites. Therapy areas include long-term IV antibiotics and TPN.

30cm, 24G Nutriline is now also available with stylet to aid insertion with the improved Microflash introducer.

### Features and Benefits

- **Polyurethane catheter** remains firm during insertion but softens at body temperature, minimising vessel trauma and enhancing stay time.
- **X-ray opaque** for accurate tip location without additional contrast medium.
- **New yellow Microflash introducer** unique split cannula, allows easy removal from the PICC line, and needle eyelet gives rapid visibility of flashback.



### Kit Contents for 1252.030

- 1 x 24G Nutriline Catheter with stylet
- 1 x Microflash introducer
- 1 x Tape measure

### Kit Contents for 1352.302 and 1352.152

- 1 x 24G Nutriline Catheter with stylet
- 2 x Ball swabs
- 1 x Gallipot
- 1 x Sponge stick
- 1 x New yellow Microflash introducer
- 1 x Injection membrane
- 1 x 10ml syringe
- 1 x Filter straw 5µm
- 1 x Sterile field/outer wrap
- 1 x Fenestrated drape

### Ordering Information

Vygon Code	NHS Supply Chain Code	Description	Size (G)	Length (mm)	Priming Volume (ml)	Flow Rate (ml/min)*	ID-OD (mm)	Introducer Size (OD-L-G)	Unit of sale
1252.030	-	X-ray opaque graduated polyurethane Nutriline catheter with stylet	24	300	0.12	5.0	0.3-0.6	1.1-18-20	10
1352.302	FSQ338	X-ray opaque graduated polurethane Nutriline catheter	24	300	0.12	5.0	0.3-0.6	1.1-18-20	10
1352.152	FSQ337	X-ray opaque graduated polyurethane Nutriline catheter	24	150	0.18	9.0	0.3-0.6	1.1-18-20	10
7370.19	FSP244	Microflash introducer	20	18	N/A	N/A	N/A	N/A	25
1147.02	FSU544	2Fr Microsite introducer	20	18	N/A	N/A	N/A	N/A	10

### 2Fr Microsite

2Fr Microsite provides increased puncture accuracy and greater placement success in neonates. It further reduces trauma and stress in newborns receiving central access and allows insertion of 1Fr & 2Fr longlines with a 24G needle or cannula. 2Fr Microsite is sold separately.

# Insertion technique

## for 24G Nutriline

### Preparation for Catheter Insertion

Open using aseptic technique. Add any sterile supplementary equipment needed. Ensure you are using maximum barrier precautions, such as the longline placement pack: 80.199.519. Put on sterile gloves, prepare tray contents ready for catheter insertion:

1. Draw-up saline and heparin flushes using a filter needle or straw to remove particulate material.
2. Flush catheter prior to insertion.

### Microflash Peelable Cannula Insertion Technique

1. Select, prepare, clean (see diagram 1) and drape site of venepuncture. Apply tourniquet.
2. Perform venepuncture with the peelable cannula provided (see diagram 2).
3. Advance cannula until venepuncture is confirmed by free flowing blood into the flashback chamber (see diagram 3). **Please note:** *With Microflash you may see flashback from the needle eyelet.* The cannula can also be syringe-mounted if preferred.
4. Release tourniquet, advance cannula off the introducer needle and advance gently into vessel. **Please note:** *To avoid excessive bleeding or possible air aspiration place a gloved finger over the cannula opening following needle withdrawal.* Insert catheter through cannula using non-toothed forceps and short, steady strokes (see diagram 4).

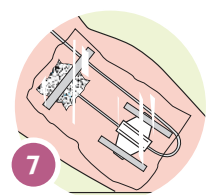
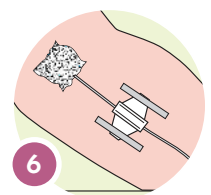
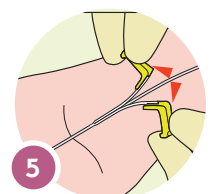
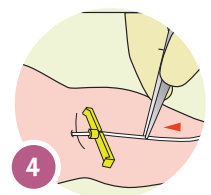
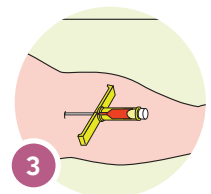
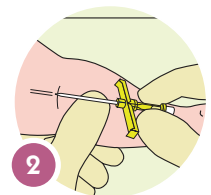
Should catheter advancement become difficult, infuse a little fluid whilst simultaneously advancing the catheter. This has the effect of dilating the vessel distal to the catheter tip.

### Nutriline Peelable Cannula Removal

1. Secure the catheter by applying light digital finger pressure on the catheter beyond the cannula, and slowly withdraw the cannula. Carefully peel the cannula apart whilst maintaining forward pressure on the catheter, taking care not to dislodge the catheter from the vein. Finally advance the catheter to the desired position (see diagram 5).

### Nutriline Catheter Fixation

1. Anchor the catheter using adhesive skin strips. Clean the insertion site with gauze swab. Place small swab over insertion site if necessary (see diagram 6).
2. Loop the extension tube back beside this gauze and apply a transparent dressing (see diagram 7). Light pressure over the insertion site should be maintained for 24 hours. Change as per hospital protocol.



**Warnings:** Avoid the use of alcohol or acetone to clean the catheter as this may result in catheter damage and premature removal. Avoid the use of small syringes less than 10ml for bolus injections as they generate high pressures which may result in catheter damage.