

What is BLEScath™?

BLEScath™, with its integrated stainless steel (SS) stylet, is rigid but flexible for ease of insertion and is uniquely designed to be compatible with low viscosity surfactants like BLES® bovine lipid extract surfactant suspension^{1,2}.

What is BLEScath™ used for?

BLEScath™ is intended for the administration of BLES® using minimally invasive surfactant therapy (MIST) / less invasive surfactant administration (LISA) technique for rescue treatment of infants with Neonatal Respiratory Distress Syndrome (NRDS)¹, at ≥ 28 weeks and or ≥ 1000 grams, who DO NOT require intubation, mechanical ventilation and meets criteria for surfactant administration².

Do I need to freeze BLEScath™ before using it to make it firm?

BLEScath™ **DOES NOT** need to be frozen before use. The stylet is uniquely designed to make it rigid but flexible for ease of insertion.

Are there any warnings associated with the use of BLES® and BLEScath™?

BLEScath™ and BLES® should be restricted to a highly supervised clinical setting with the immediate availability of **experienced** neonatologists and other clinicians experienced with the general care of premature infants².

Do I have to insert the stylet before use or remove it after BLEScath™ is inserted in the patient?

The stylet is integrated into the catheter; therefore, it **does not** require insertion or removal during the procedure^{2,3}.

Is there a recommended shape that I should bend the catheter into?

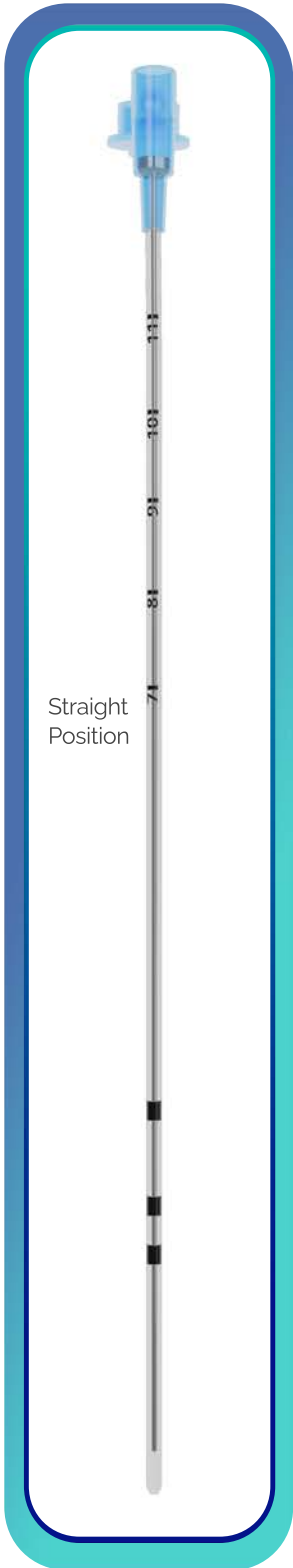
The patient's anatomy is the most significant factor in how the catheter's shape is bent. User **personal preference** plays a role in the desired shape^{2,3}.

Gently Curved Bend



Hockey Stick Bend





How do I know if I placed the BLEScath™ correctly?

There are three unlabelled black line markings near the distal tip (at 2.0, 2.5, and 3.5 cm from the end), which serve as a visual aid for controlling the insertion depth at the level of the vocal cords^{2,3}.

There are five-line markings of 7 to 11 cm (labelled 7, 8, 9, 10, and 11) on the catheter to indicate the distance from the distal tip to the patient's lip (tip to lip distance). The depth of insertion is 6 cm plus birth weight in kilograms^{2,3}.

For example; The depth of insertion for a 1 kg baby is 6 cm + 1 = 7 cm.

How long does it take to instill the whole BLEScath™ dose through the BLEScath™?

Instill surfactant in micro-boluses *synchronizing* with the neonate's *inspiration*.

Micro-bolusing every 2-3 breaths is also acceptable if the infant is tachypneic¹. It can take 1 to 3 minutes to administer the total dose^{1,2}.

When can I remove the BLEScath™ from the trachea?

When surfactant installation is complete, inject air through the catheter to empty the syringe, *remove* the catheter *immediately* and *dispose* of it^{1,2}.

What are the BLEScath™ maintenance best practices?

- Store sterile package at room temperature.
- DO NOT use BLEScath™ if the packaging is open or if its contents are damaged¹.

What resources do you have for training and learning about BLEScath™?

- BLEScath™ Instructions for Use (IFU) MD0102A².
- BLEScath™ Training Videos and materials.
- On-site training and clinical support for healthcare professionals.

How is BLEScath™ packaged?

Each sterile package contains one 5 Fr catheter with an integrated stylet.

1 unit = 1 catheter / 10 units per case^{2,3}.

References:

1. BLES® Product Monograph, January 31, 2022.
2. BLEScath™ Instructions for Use (IFU) MD0102A.
3. BLEScath™ Brochure