Control the Airways
the Portex® Soft Seal®
Laryngeal Mask
The Features and Benefits

- **Soft Seal® Cuff**
  - The Portex® Soft Seal® Laryngeal Mask features the exclusive Soft Seal® Cuff which is less permeable to nitrous oxide than that of re-usable masks, reducing increase in pressure and minimising potential trauma.
  - The cuff, combined with the higher atrium, helps to provide an improved seal.

> Our study strongly suggests that the new disposable PVC Soft Seal® LM cuff prevents significant increases in intra-cuff pressure during nitrous oxide anaesthesia as seen in the silicone-LM. Continuous measuring of cuff pressures of LM may be advisable when re-usable LMA-Classic® LM are used, but this is unnecessary with the disposable Soft Seal® LM." \(^1\)

- **Single Use**
  - Better infection control.
  - Research has shown that even thoroughly cleaned re-usable airway devices still contain residual protein deposits, which have the potential for cross-patient contamination.

> "Large numbers of laryngeal mask airways are re-used in operating theatres every day. If airway devices such as these are not satisfactorily clear of proteins before being re-used there is a possible risk of transmission of disease by their re-use." \(^2\)

> "Prions are resistant to deactivation by most sterilisation techniques currently in practice." \(^3\)

- **Ease of Access**
  - Higher atrium, negating the use of epiglottis bars.
  - The Portex® Soft Seal® Laryngeal Mask is designed to avoid the risk of blockage without the need for obstructive epiglottis bars, allowing easy access for flexible fibre optic devices and fibre optic-guided placement of endotracheal tubes.

> "The improved fibre optic view with Portex® Soft Seal® Laryngeal Mask may be explained by the absence of the mask aperture bars and its wider ventilation orifice." \(^4\)
All laryngeal masks used in this study resulted in adequate ventilation. This confirms that the absence of epiglottis bars have deleterious effects on the performance of the laryngeal mask. In conclusion, disposable laryngeal masks are an acceptable device to replace the re-usable LMA-Classic®, resulting in a good laryngeal seal and similar clinical performance.5

Pre-Hospital

The Portex® Soft Seal® Laryngeal Mask has been approved in studies for use in pre-hospital airway management.

Pre-hospital endotracheal intubation is known to be associated with significant pre-hospital mortality. The recent introduction of a disposable laryngeal mask airway has provided paramedics with an alternative to endotracheal intubation.4

The range of Portex® Soft Seal® Laryngeal Mask includes Paediatric sizes.

- Available in paediatric sizes 1, 1.5, 2 and 2.5.

The ‘classic’ LMA is re-usable, designed to be autoclaved between patients, with a recommended maximum of 40 uses. However, the effectiveness of cleaning re-usable airway equipment has been challenged and theoretical risk of transmission of new variant Creutzfeldt-Jakob Disease (vCJD) to patients, via surgical and anaesthetic instruments, has been acknowledged. In this observational study, all paediatric sizes of the “Soft Seal®” LM were used for a wide variety of surgical procedures and we found that they perform satisfactorily in patients. Preliminary results suggest the Portex® Soft Seal® single-use laryngeal mask in paediatric sizes have a good clinical performance.7
ORDERING INFORMATION

Ordering Information

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<tr>
<th>Product Code</th>
<th>Size</th>
<th>Description</th>
<th>ID Tube mm</th>
<th>OD Tube mm</th>
<th>Maximum Cuff Volume mL</th>
<th>NHS Logistic</th>
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References