



Intersurgical EcoLite™ range

Comfortable for the patient
Comfortable for the environment



Greener ▪ Lighter ▪ More Comfortable



Quality, innovation and choice

www.intersurgical.com

Intersurgical EcoLite™ - one of the lightest and most comfortable ranges of oxygen and aerosol masks

The Intersurgical EcoLite range of oxygen and aerosol therapy products is an important part of the Eco range  designed as part of our ongoing focus on sustainable development.

Improved patient comfort has been key to the ongoing development of the range. The latest manufacturing technology has enabled us to combine two non-PVC materials in the same product. The polypropylene material which forms the body of the Intersurgical EcoLite mask is clear, lightweight and rigid enough to maintain the mask's shape. The second softer thermoplastic elastomer (TPE) material is utilized in the seal to help eliminate discomfort on the patient's face.

The use of these materials and the unique design of the masks have resulted in a range of oxygen and aerosol therapy products which provide improved patient comfort and a reduced environmental impact. ¹²³⁴⁵

All of the Intersurgical EcoLite face masks share the following key features and benefits:

- Soft chin, nose and side seals ensure exceptional levels of patient comfort
- Lighter than PVC masks, more comfortable for the patient
- Incurved nose seal eliminates the need for a separate nose clip, designed to prevent oxygen and aerosolized drugs entering the patient's eyes
- MRI compatible
- Lower environmental impact

In addition, the following features and benefits are product specific:

Adult oxygen and aerosol masks

- 50% lighter than a PVC mask, which is more comfortable for the patient
- 68% reduction in environmental impact

Incurved nose seal

Conforms to different nose shapes and is designed to prevent oxygen from entering the patient's eyes

No metal nose clip

MRI compatible

Soft face seals

Increased patient comfort

Exhalation ports

Designed to minimize the amount of rebreathed carbon dioxide

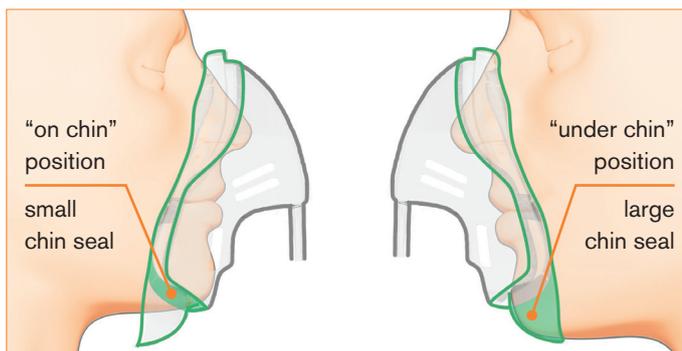
Elastic can be positioned under or over the ears

Below ear position eliminates trauma to top of ears

O₂

A choice of "under chin" or "on chin" positions

Provides a better fit on a wider range of patient face shapes





Medium concentration oxygen mask

The Intersurgical EcoLite™ medium concentration adult oxygen mask provides a comfortable lightweight option for a wide range of face shapes.



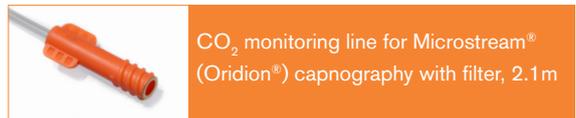
Code	Description	Tube length	Qty.
1136015	Intersurgical EcoLite, adult, medium concentration oxygen mask		55 
1135015	Intersurgical EcoLite, adult, medium concentration oxygen mask with tube	2.1m	40 

Sentri™ ETCO₂ mask

The Sentri ETCO₂ mask is a conventional medium concentration oxygen mask with the addition of a sampling port. This permits sampling of exhaled carbon dioxide from both the mouth and nose in non-intubated patients during the administration of supplementary oxygen.

Capnography is vital during sedation

The increased use of conscious sedation has created a need for a device to monitor respiratory depression. The difference between conscious sedation and general anesthesia is sometimes very small. It is possible during conscious sedation that intravenous sedatives and narcotics administered to allay apprehension can result in the loss of consciousness and respiratory obstruction. The Sentri mask is simple to use: attach one end of the ETCO₂ monitoring line to a 'sidestream' capnometer and the other to the female luer lock port on the mask.



Code	Description	Tube length	Qty.
1141015	Sentri Intersurgical EcoLite, adult mask with oxygen tube	2.1m	30 
11416500	Sentri Intersurgical EcoLite, adult mask with CO ₂ monitoring line for Microstream® (Oridion®) capnography with filter and oxygen tube	2.1m	25 
1142015	Sentri Intersurgical EcoLite, adult mask with CO ₂ monitoring line and oxygen tube	2.1m	30 
1143015	Sentri Intersurgical EcoLite, adult mask with CO ₂ monitoring line, filter and oxygen tube	2.1m	30 
93716000	CO ₂ sampling line with Microstream® (Oridion®) capnography w/filter and oxygen tube	2.1m	25 
11426100	Sentri, Intersurgical EcoLite, adult, mask with CO ₂ monitoring line with Universal Connector tube	1.8m	30 
11436100	Sentri, Intersurgical EcoLite, adult, mask with CO ₂ monitoring line, filter and Universal Connector tube	2.1m	30 



Adult high concentration oxygen mask

The Intersurgical EcoLite™ high concentration mask can provide oxygen concentrations greater than 80%, at flows of 10–15 L/min (these values are approximate and depend on the patient's breathing pattern).

- Two integral chin seals ensure that the mask fits a wider range of face shapes
- The unique nose seal is designed to equalize the pressure exerted on the nose as the seal conforms to differing nose shapes.
- These design features combine to provide an improved seal on the patient's face, which in turn, results in higher oxygen concentrations as less ambient air enters the mask
- Low resistance safety vents allow the patient to breathe room air should the oxygen supply fail or be inadequate to meet peak flow requirements



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Incurved nose seal

Improves the fit and eliminates the need for a separate nose clip. Designed to prevent oxygen entering the patient's eyes

No metal nose clip

MRI compatible

Two integrated safety vents

Allows patient to breathe room air in the event of oxygen supply failure

Soft face seals

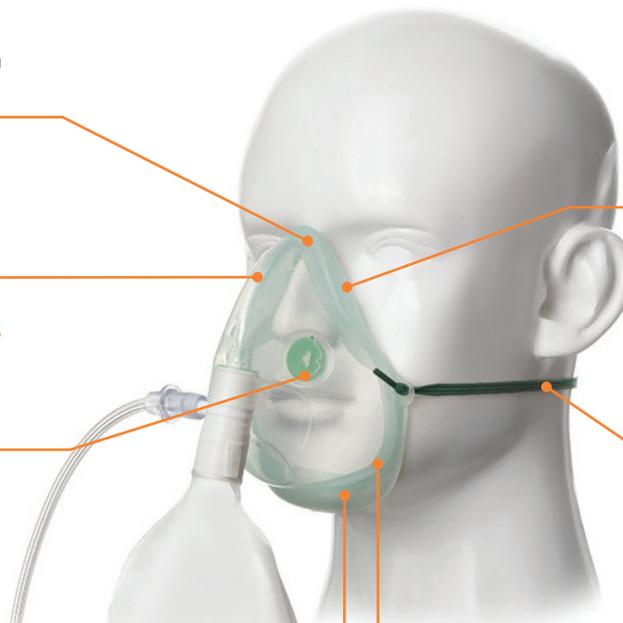
Increases patient comfort

Elastic can be positioned under or over the ears

Below ear position eliminates trauma to top of ears

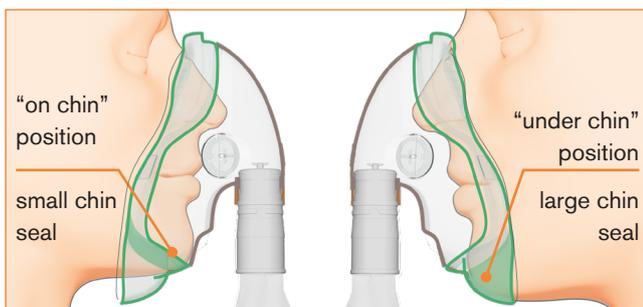
Improved sealing

Higher oxygen concentrations

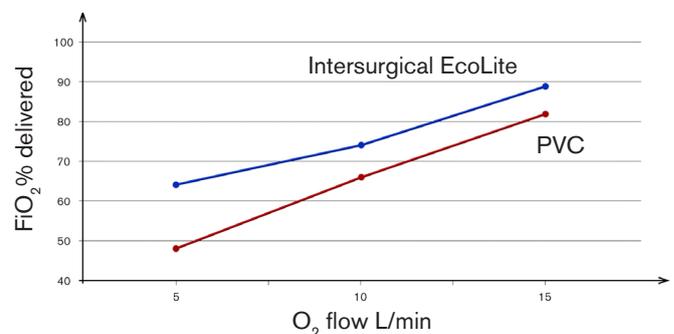


A choice of "under chin" or "on chin" positions

Provides a better fit on a wider range of patient face shapes



Intersurgical EcoLite compared to PVC high concentration masks



Code	Description	Tube Length	Qty.
1181015	Intersurgical EcoLite, adult, high concentration oxygen mask with tube	2.1m	24



Aerosol face mask

The Intersurgical EcoLite™ adult aerosol mask is available alone or can be paired with our Cirrus™2 nebulizer or Silente™ adjustable venturi valve.



Code	Description	Qty.
1188015	Intersurgical EcoLite, adult, aerosol mask	50 
1139030	Silente, adjustable venturi valve	50
1402000	Cirrus2 nebulizer	75

Silente™ venturi mask kit

The Silente has been designed to operate at a very low noise level. The large diameter body provides space for clear, widely spaced calibration and incorporates a “pull-twist” action to prevent accidental adjustment.

The concentration delivered is unaffected by the patient's breathing pattern provided that the optimum flow indicated on the valve is set on the oxygen flow meter.



 illustrated

Code	Description	Tube length	Qty.
 1137015	Silente, Intersurgical EcoLite, adult, adjustable venturi mask kit with tube	1.8m	30 
1138015	Silente, Intersurgical EcoLite, pediatric, adjustable venturi valve kit with tube	1.8m	40 
1139000	Silente, adjustable venturi valve		50

MultiOx™ venturi mask kit

The MultiOx provides a lower cost option compared to the Silente range while maintaining the same levels of accuracy.

The concentration delivered is unaffected by the patient's breathing pattern provided that the optimum flow indicated on the valve is set to the oxygen flow meter.



Code	Description	Tube length	Qty.
1117015	MultiOx, Intersurgical EcoLite, adult, adjustable venturi mask kit with tube	1.8m	30 
1118005	MutiOx, Intersurgical EcoLite, pediatric, adjustable venturi mask kit with tube	1.8m	40 



Intersurgical EcoLite™ adult venturi mask kit

A complete kit comprised of five valves, an adult Intersurgical EcoLite aerosol mask, oxygen tube and humidification cup. The flow printed on the valves ensures that the patient receives a total flow of approximately 40 L/min. This is designed to meet the patients 'normal' peak flow requirements.



Code	Description	Qty.
1107085	Intersurgical EcoLite, adult, venturi mask kit	25

Tracheostomy mask

The Intersurgical EcoLite tracheostomy mask is a high quality lightweight mask with a quick-release elastic for ease of use.

- The quick release elastic system ensures that the adult tracheostomy mask can be removed and refitted easily, simplifying hygiene procedures
- 60% lighter than a PVC mask, more comfortable for the patient
- 82% reduction in environmental impact



Code	Description	Qty.
1200050	Intersurgical EcoLite, adult, tracheostomy mask	30
1206000	Pediatric, tracheostomy mask	35



Pediatric oxygen and aerosol masks

We also provide a range of pediatric Intersurgical EcoLite™ options.

- The shape and position of the exhalation ports have been designed to minimize the amount of rebreathed carbon dioxide
- 50% lighter than a PVC mask, which is more comfortable for the patient
- 59% reduction in environmental impact



Soft face seal

For improved patient comfort

A choice of “under chin” or “on-chin” positions

Provides a better fit on a wider range of patient face shapes

Incurved nose seal

Improves the fit and eliminates the need for a separate nose clip. Designed to prevent oxygen or aerosolized drugs entering the patient's eyes

Clear rigid mask

The material forming the body of the mask is clear, permitting visualization of the patient's nose and lips. It is also rigid enough to maintain the mask's shape during transportation and use

Pediatric medium concentration oxygen mask

The Intersurgical EcoLite pediatric medium concentration mask is one of the lightest and most comfortable pediatric masks available.



Code	Description	Tube length	Qty.
1190015	Intersurgical EcoLite, pediatric, medium concentration oxygen mask		42 
1196015	Intersurgical EcoLite, pediatric, medium concentration oxygen mask with tube	2.1m	40 

Pediatric aerosol face masks

The Intersurgical EcoLite pediatric aerosol mask is available alone or can be paired with our Cirrus™2 nebulizer or Silente™ adjustable venturi valve.



Code	Description	Qty.
1198015	Intersurgical EcoLite, pediatric, aerosol mask	42 
1139000	Silente, adjustable venturi valve	50
1402000	Cirrus2 nebulizer	75



References

1. E.M.Gotlib, *Composition of incineration products of plasticed PVC. Materials Reactive & Functional Polymers* 48 (2001) 209-213
2. B. Jacquinot, *The Influence of PVC on the Quantity and Hazardousness of Flue Residues from Incineration, Bertin Technologies Tarnos, April 2000.*
3. M. Wey, *The Influence of Heavy Metals on the Formation of Organics and HCl During Incinerating of PVCcontaining Waste, Journal of Hazardous Materials* 60_1998, 259–270.
4. D.Wang, *Polychlorinated Naphthalenes and Other Chlorinated Tricyclic Aromatic Hydrocarbons Emitted from Combustion of Polyvinyl Chloride, Journal of Hazardous Materials, 2006.*
5. *A Greenpeace Brief on the Report, The Influence of PVC on the Quantity and Hazardousness of Flue Gas Residues from Incineration, European Commission, April 2000.*



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EcoLite™ range**

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