Posidyne® ELD Filter

Air-eliminating filter designed for 96-hour particle, bacteria and endotoxin retention

Features
- Removes particles
- Retains microorganisms and associated endotoxins
- Eliminates air
- Non-phthalate fluid pathway
- Slim housing profile

Benefits
- Protects patients against particle-related risks
- 96-hour life on filter and set reduces cost of IV therapy and minimizes nursing time and set manipulations
- Minimizes air emboli
- Suitable for paclitaxel delivery
- Simple to tape in place
Inadvertent Contamination of Infusion Solutions Can Have Serious Consequences

- Particulate contamination arises from a variety of sources, intrinsically in infusates and equipment or extrinsically due to manipulations.\(^1\) Particles cause phlebitis on peripheral infusion lines and have serious systemic effects, damaging the lung and solid organs by irritation of the endothelium and by deposition in the microvasculature.\(^2\)

- Microbiological contamination of IV administration systems arises inadvertently due to manipulations.\(^3\) Some bacteria can grow rapidly in infusion fluids, increasing the infection risk.\(^4\)

- Endotoxins have serious effects on the inflammatory and coagulation systems. They are released by Gram-negative bacteria and have been shown to penetrate conventional IV filters.\(^5\) Only filters that retain endotoxins can safely be used for more than 24 hours.\(^6\)

- Entrained air can arise from infusion solutions degassing, incomplete priming or disconnections. Air can be particularly problematic on central lines, leading to air embolism, which can be fatal.\(^7\)

Specifications

**Filter Media**

0.2 µm positively charged Nylon Posidyne® membrane

**Filters and Tubing Extension**

Non-phthalate, free of natural rubber latex

**Dimensions (approximate)**

Length = 6.9 cm
Width = 3.6 cm
Depth = 0.7 cm

**Connectors**

Male luer lock outlet and female luer lock inlet

**Filter Housing Volume**

Approximately 2 mL

**Approximate Total Hold-up Volume**

- ELD96NT, ELD96NTE**: 2.0 mL
- ELD96LLCE**: 2.6 mL
- ELD96LL**: 2.7 mL
- ELD96LYL*, ELD96LYLE**, ELD96NY**: 2.8 mL (including volume from Y-site to tubing outlet of 0.3 mL)
- ELD96NYS**: 4.3 mL (including volume from Y-site to tubing outlet of 1.0 mL)
- ELD96LYLS*, ELD96LYLSE**: 4.3 mL (including volume from Y-site to tubing outlet of 1.2 mL)

*Intended for distribution or use in the USA.
**Intended for distribution or use in Europe.

**Sterility**

Sterile and non-pyrogenic fluid pathway

**Maximum Flow Rate**

- Variants with standard bore extension tubing: approximately 21-23 mL/min
  - ELD96NYS approximately 35 mL/min
- Variants with microbore extension tubing: approximately 13-14 mL/min
  - ELD96NY approximately 18.5 mL/min

**Maximum Working Pressure**

1500 mm Hg (approximately 30 psi, 2 bar)

**Usage Specifications**

Single patient use up to 96 hours
Can be used with continuous infusions or intermittent infusions/injections

***Tested under gravity with 0.9% saline solution at 1 m head height.

**Ordering Information**

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<th>Product Description</th>
<th>Reorder Code USA Only</th>
<th>Reorder Code Europe Only</th>
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*with downstream slide clamp

**References**


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