

# STEEN Solution™

For ex vivo assessment of lungs

STEEN Solution™ is a physiological salt solution intended for assessment of isolated lungs after removal from the donor in preparation for eventual transplantation into a recipient.

STEEN Solution™ contains:

**Human Serum Albumin (HSA)** - provides normal oncotic pressure preventing edema formation.

**Dextran 40** - coats and protects the microvasculature against post-ischaemic reperfusion injury.

**Extra-cellular electrolyte composition (low K<sup>+</sup>)** - avoids vascular spasm under normothermic conditions.

- Facilitates **prolonged evaluation** and promote **stability of isolated lungs ex vivo**
- Allows rejected lungs to be successfully used for transplantation, **expanding the pool of available organs**
- Enables **stable perfusion for up to 6 hours\* at 37 °C, without edema formation**<sup>1-7</sup>

\* Perfusion time. Up to 5 hours is allowed in the US.

#### Ref.

1. Steen S et al. Ann Thorac Surg. 2003;76:244-52
2. Neyrinck A et al. J Heart Lung Transplant. 2004;23:173 (abstr)
3. Koike T et al. J Heart Lung Transplant. 2011 Dec;30 (12):1312-9
4. Munshi L, et al. Lancet Respir Med. 2013 Jun;1(4):318-28
5. Machuca T N, et al. Surg Clin North Am. 2013 Dec;93(6):1373-94
6. Sanchez P G, et al. J Heart Lung Transpl. 2012, 31: 339-348.
7. Aigner C, et al. Am. J Transplant. 2012; 12: 1839-1847

#### Order information:

Reference no:

19004

Product:

1 x STEEN Solution™ 500ml bottle

XVIVO Perfusion AB, Mässans gata 10, SE-412 51 Göteborg, Sweden  
Tel +46 31 788 21 50 | xvivogroup.com

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