Protek Cannulae
Flexible enough to cover the demands of the most comprehensive MCS program
The Power to Recover™

The ProtekSolo® Transseptal cannula provides a powerful cannulation strategy for unloading the left ventricle.⁷

The ProtekSolo Transseptal is inserted at the femoral vein and placed in the left atrium via a transseptal procedure; oxygenated blood is returned via the femoral artery.

ProtekSolo Transseptal provides up to 30 days left atrial cannulation¹ and allows:

- **Left Ventricle unloading** up to 80%¹ with consistent flow rates up to 5L/m
- **Cardiac Power output** of ~1 Watt⁶
- **The power to recover** resting the left ventricle with left atrial-femoral artery cannulation.⁷

The Right Tool for the Job™

The ProtekDuo® dual lumen cannula provides the flexibility to do what’s right for each unique patient.

The cannula is inserted at the right internal jugular vein and it is uniquely positioned to drain deoxygenated blood from the right atrium and return it to the venous system via the pulmonary artery to be oxygenated by the lungs.

ProtekDuo provides up to 30 days supplemental circulatory support¹ and allows:

- **Less invasive, percutaneous approach** with insertion at the right internal jugular vein for clean access and enhanced patient mobility¹
- **Patient awake** and participating in care²
- **Enhanced cardiac functions**,⁴,⁵ unloading the right ventricle.⁶

1. Data available on file
4. C. Bermudez et al. - Poster presented at ASAIO 2018 (Washington, USA)
5. B. O’Neill et al. - Abstract presented at SCAI 2018 (San Diego, USA)
# Product specifications

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Components</th>
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| ProtekDuo      | 5140–4629 | - Proximal Lumen: 29 Fr x 28 cm  
- Distal Lumen: 16 Fr x 46 cm  
- One 29 Fr ProtekDuo Veno-Venous Wire Reinforced Cannula, with radiopaque tip markers  
- One 13 Fr Introducer |
| 5140–6221      | 21 Fr x 62 cm | - One 21 Fr Wire Reinforced Transseptal Cannula, with radiopaque tip markers  
- One 14 Fr Obturator  
- One 14/21 Fr Two Stage Dilator |
| 5140–6217      | 21 Fr x 72 cm | - One 21 Fr Wire Reinforced Transseptal Cannula, with radiopaque tip markers  
- One 14 Fr Obturator  
- One 14/21 Fr Two Stage Dilator |
| ProtekSolo Transseptal | 5130–1715 | 15 Fr x 17 cm  
- One 15 Fr TandemHeart Femoral Arterial Cannula  
- One 10 Fr Introducer |
| 5130–1717      | 17 Fr x 17 cm | - One 17 Fr TandemHeart Femoral Arterial Cannula  
- One 12 Fr Introducer |

*products not featured in this brochure

All products listed above are latex free.  
For more information visit www.tandemlife.com

[CE symbol]

www.livanova.com

Manufactured by: CardiacAssist, Inc  
240 Alpha Drive  
Pittsburgh, PA 15238, USA  
Tel: 412–963–7770  
24/7 Clinical Support:  
800–373–1607 (US) | 412–579–6182 (Intl)

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