

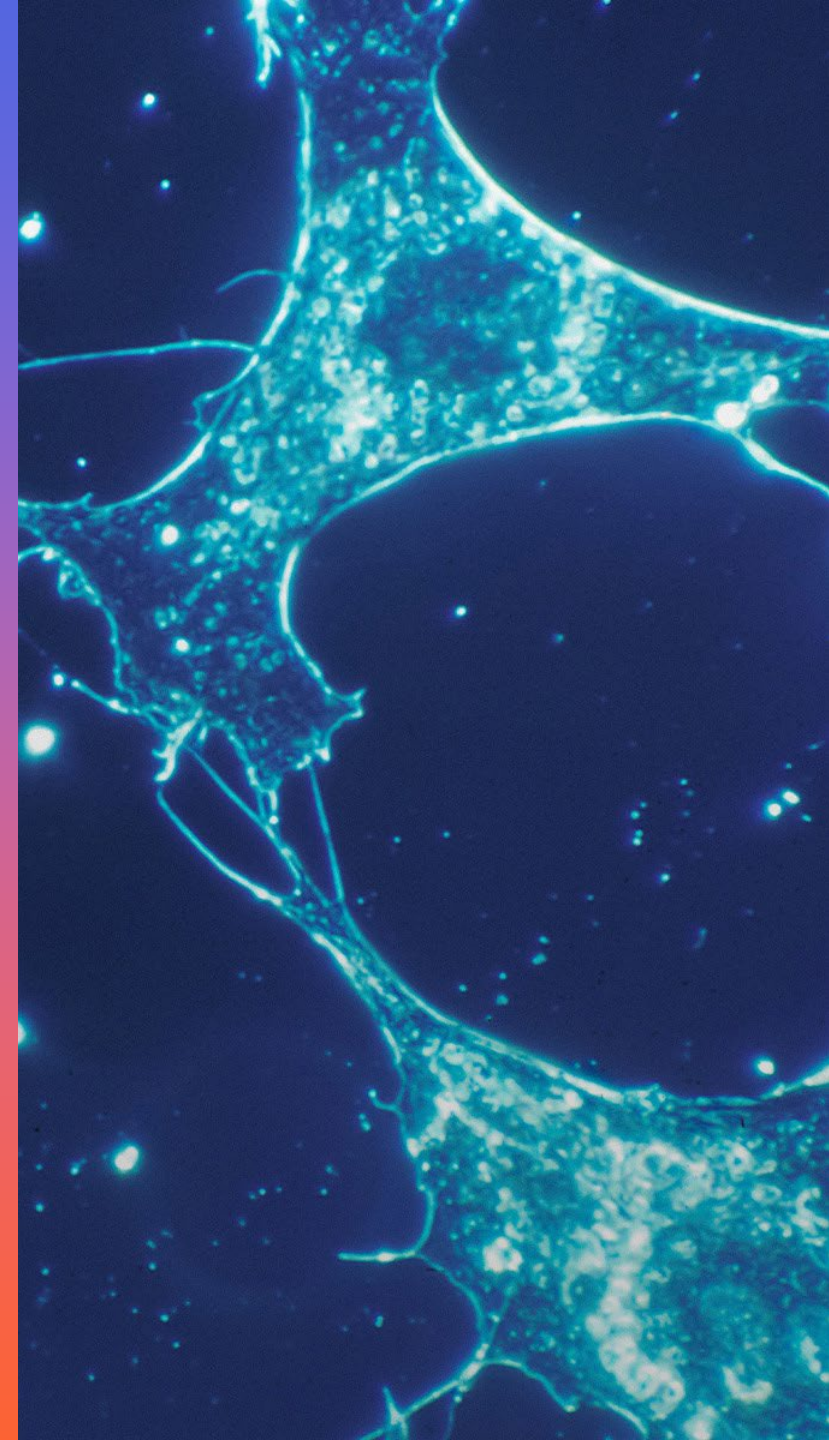
Human-sized densified collagen tubular graft

(CE case ref: MAR-3702)

For more information, please contact:

Case Manager: Ione.Meyer@enterprise.cam.ac.uk

Case Associate: Morag.Nixon@enterprise.cam.ac.uk



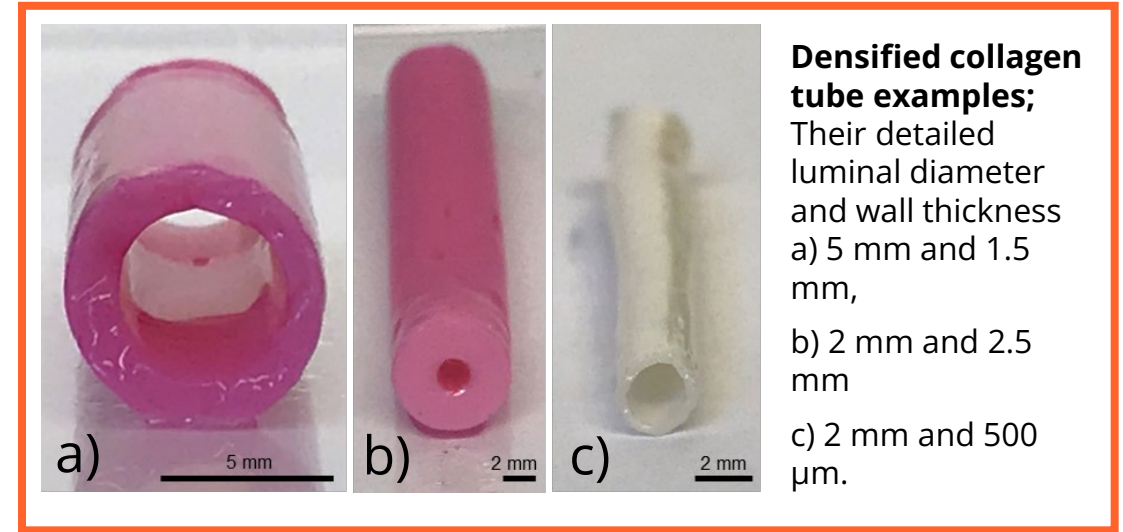
Off the shelf, mechanically robust and biocompatible densified collagen tubular grafts for human tissue replacement

BENEFITS

- Acellular densified collagen hydrogel grafts **recellularise upon implantation**.
- Creates a 'pro-healing' immune response to **reduce risk of clotting and infections** present with current standard-of-care synthetic grafts (ePTFE, polyester).
- Better graft outcomes - **fewer surgical interventions** required.
- Novel optimised manufacturing method for **scalable production** – GMP compatible.
- Graft deformation characteristics similar to native blood vessels – yielding **better haemodynamic response**.

APPLICATIONS

- **Cardiovascular** - source of grafts for replacement blood vessels. Includes coronary artery, aortic aneurysm and peripheral arteries.
- **Other tissue types** – potential for replacement for damaged and diseased tubular vessels: small and large intestine, urethra, bronchi, bile duct and peripheral nerve repair.



OPPORTUNITY

- Increasing clinical demand for replacement vessels - current synthetic grafts suffer from high rates of complication, requiring clinical intervention.
- For vascular access grafts, 31,000 people in the UK and 555,000 people in the US require life-saving heart dialysis several times a week for years.
- Patent granted in US and Europe.
- Available for licensing.