

### Collagen Bio Tubes for adherent cell cultures

CBTs are sterile, non-porous tubes made of a compact network of pure bovine collagen type I fibers without treatment of chemical crosslinkers.

CBTs are designed for growth and differentiation of adherent cell types, representing a tubular *in vivo*-like collagen for use in bioreactors in fluidic systems or conventional cell culture-treated well plates. Cells can grow at the in- and outside of the tube wall.

Before cell seeding the tube needs to be rehydrated and equilibrated with medium. To ensure good performance please follow this User Guide.

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Collagen Bio Tubes for cell growth at in- or outside of the tube wall

### General precautions

When working with the CBT please use appropriate cell culture plastics, media and reagents as well as aseptic techniques and ensure adequate growth environments. All liquids should be pre-warmed at least to room temperature. Pipette liquids gently along the sidewall into the culture well.

If the CBT is used as a barrier between different cell populations, make sure not to pierce the tube with forceps or pipettes. The whole, intact cell-scaffold complex can be transferred.

### Pre-treatment of Collagen Bio Tubes

**Important:** CBTs should always be covered completely with liquid to assure that the lumen remains open.

1. Incubate for 30 min at room temperature in PBS. Aspirate the PBS.  
If necessary, the CBT can be cut in wet state with a sterile scalpel.
2. Equilibrate the CBT with the appropriate volume of pre-warmed medium for at least 30 min at 37°C in the CO<sub>2</sub> incubator.
3. Change the medium just prior to cell seeding.

#### Intended use

The CBT is intended for research use only. It is neither intended for human nor animal diagnostic, therapeutic use nor any other clinical uses.

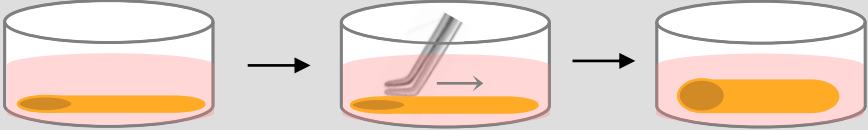
#### Corresponding documents

- [Product Data Sheet](#)  
Collagen Bio Tubes (CBT)
- [Application Note](#)  
Staining of cells grown on fibrous collagen surfaces

#### Disclaimer

All data and recommendations correspond to the present state of our knowledge; they are published without engagement. We reserve the right to make alterations and additions in line with technical developments without prior notice. The customer is obliged to check whether our products meet her/his technical requirements. Please contact us for questions or technical support:

[Contact@bio.viscofan.com](mailto:Contact@bio.viscofan.com)

PROBLEM	SOLUTION
<p>During pre-conditioning, CBT remains flat and lumen closed</p>	<p>During or after pre-conditioning, please run the side of some curved, sterilized forceps gently over the length of the submerged CBT from time to time, thereby flattening it (as if you were trying to push air bubbles out of the lumen). After some minutes the lumen will open.</p> <p>Please ensure complete submersion of the CBT at all times to assure that the lumen stays open.</p> 

## ORDERING INFORMATION

Catalog numbers vary with respect to CBT length & diameter.

### USA & CANADA

Order comfortably through VWR:



### OTHER REGIONS

Browse our website to find the right product for your needs or contact us:



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