6-well Tissue Train® Culture Plates

Flexible bottomed culture plate used with Arctangle® Loading Stations™ and Trough Loaders™ to apply uniaxial strain to 3D cell-seeded gel constructs.

- Create 3D cell-seeded constructs on a Tissue Train® plate using a Linear Trough Loader™ (Fig. 35) as a mold
  (Trough Loaders™ not included with the plates).
- Tissue Train® Plates available with either CEREX® (a non-woven nylon mesh) or foam (open-cell porous) anchor stems. Anchor material has not been found to affect the compaction kinetics of the collagen gel. However, the foam anchor stems allow for increased construct survival time as measured by time to construct failure/detachment from the anchors.
- Apply a load regimen of uniaxial cyclic strain to the cellular construct using a Flexcell Tension system and Arctangle® Loading Stations™.
- Observe cell responses in 3D matrix with phase contrast, fluorescence or scanning confocal microscopy.
- Covalently bonded anchors: Amino, Collagen (Type I or IV), Laminin (YIGSR).
- Available in cases of 10 and 40 plates.

Figure 34. Linear Tissue Train® culture plates with **CEREX®**

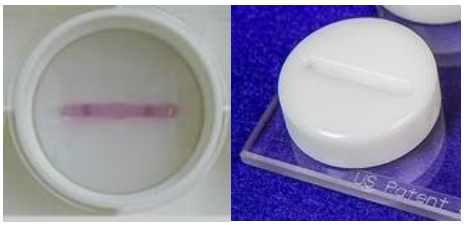

Figure 35. Representative image of 3D cell-seeded gel construct created in a Tissue Train® culture plate

Cat. No. CEREX®	Description
TTLC-4001U	Tissue Train® Culture Plate – Untreated
TTLC-4001A	Tissue Train® Culture Plate – Amino
TTLC-4001C	Tissue Train® Culture Plate – Collagen Type I
TTLC-4001L	Tissue Train® Culture Plate – Laminin
TTLC-4001C/IV	Tissue Train® Culture Plate – Collagen Type IV

Cat. No. Foam	Description
TTLF-5001U	Tissue Train® Culture Plate – Untreated
TTLF-5001A	Tissue Train® Culture Plate – Amino
TTLF-5001C	Tissue Train® Culture Plate – Collagen Type I
TTLF-5001L	Tissue Train® Culture Plate – Laminin
TTLF-5001C/IV	Tissue Train® Culture Plate – Collagen Type IV

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