



Frequently Asked Questions (FAQ)

Is the polystyrene plasticware plasma treated?

No, the 3DKUBE™ polystyrene plasticware is not plasma treated. This minimizes cell adhesion on the plasticware and focuses the cell attachment and growth to your 3D scaffold material of interest.

What is the material and thickness of the imaging window?

The integrated imaging window is optically clear polystyrene and is 1.25mm in thickness.

What are the dimensions of the 3D culture chamber?

Each 3D culture chamber has a 6.0 mm diameter, 8.8 mm depth, and 250µL volume. There are two 3D culture chambers per 3DKUBE™.

What material is the solid gasket insert?

The solid gasket insert is a high purity medical-grade silicone.

What is the pore size of the scaffold retention screen?

500µm

How do I connect the 3DKUBE™ to a perfusion flow circuit assembly?

The 3DKUBE™ has integrated inlet and outlet ports that are standard female luer connectors. These can accommodate a wide range of luer connectors readily available from a variety of labware vendors.

How do I assemble and disassemble the 3DKUBE™?

Using the culture chamber axis as a reference:

To disassemble - twist counter-clockwise.

To assemble - twist clockwise.