

P3D perfusion chambers

Description

The P3D chambers have been designed to hold porous cylindrical scaffolds to be subjected to perfusion culture conditions. They are disposable and are supplied in sterile ready-to-use condition. The chambers are composed of two parts which hold the scaffold and fix it in the right position so the flow is homogeneously distributed through its whole volume.

These chambers provide a cost-effective simple solution to grow cells on porous scaffolds under perfusion conditions. They allow seeding and culturing scaffolds in the same chamber reducing manipulation while minimizing the contamination risk.

They are available in two sizes: P3D-10 and P3D-6 for scaffolds from 9 to 11 mm and from 5 to 7 mm in diameter, respectively.



Main features

- **Smart design:** surfaces perpendicular to the flow direction have been minimised in order to reduce flow recirculation areas. This way, surfaces where cell can attached are mostly removed.
- **Easy scaffold insertion and removal:** scaffolds can be easily inserted and removed from the chamber without the need of complex systems that guarantee watertightness, which is guaranteed without the need of using o-rings nor other threads.
- **Fully transparency:** visually check the status of your cultured scaffold without the need of opening the chamber.
- **Improved locking system:** chamber are equipped with a clip lock systems which prevents undesired openings caused by pulls or the tubing weight.
- **Luer connections:** forget about fluid leaks thanks to the standard luer connexions. Connect the chamber to tubing, stopcocks or any other device easily, fairly and fast.

Applications

The P3D chambers have been designed to hold porous cylindrical scaffolds. The two main applications of these chambers are:

- Scaffold seeding
- Perfusion culture

P3D-6 chambers

Connections	Standard female luer connections
Color	Transparent
Scaffold diameter	5 to 7 mm
Scaffold thickness	1 to 13 mm
Packing	Individual sterile packing

P3D-10 chambers

Connections	Standard female luer connections
Color	Transparent
Scaffold diameter	9 to 11 mm
Scaffold thickness	1 to 13 mm
Packing	Individual sterile packing