

# P3D chambers

## New Chambers for 3D cell culture under perfusion conditions

Disposable ready-to-use scaffold holding chambers

new

### A New Concept!

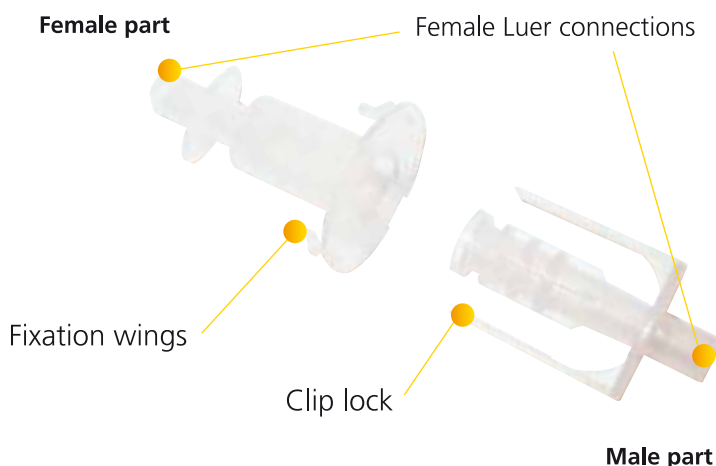
Perfusion 3D cultures have never been so easy thanks to the P3D chambers.

The P3D chambers provide a cost-effective simple solution to grow cells on porous scaffolds under perfusion conditions. They allow you to seed and culture your scaffolds in the same chamber reducing scaffold manipulation and minimising the contamination risk.

Forget about home-made ineffective solutions and save time and money using the new P3D disposable chambers: the easiest way to culture cells under flow conditions.

- ✓ **LUER CONNECTIONS**  
Standard female luer connections allow easy and fast connections while minimizing fluid leaks.
- ✓ **FULLY TRANSPARENT**  
Allows visually checking the current status and the evolution of your culture.
- ✓ **NO PERPENDICULAR SURFACES**  
Surfaces perpendicular to the flow direction have been minimized in the P3D chambers design in order to reduce flow recirculation areas.
- ✓ **EASY SCAFFOLD INSERTION/ REMOVAL**  
Chamber opening and closing has been simplified in order to avoid damage to scaffold occurring in the insertion and removal processes. Neither threads nor o-rings are needed to assure watertightness, which simplifies the scaffold setting and removal processes.
- ✓ **EXCELLENT SCAFFOLD FIXATION**  
Forget about undesired chamber openings thanks the clip locking system.

### Chamber Description



### Scaffold Insertion Diagram

Insert your scaffold in three simple steps.

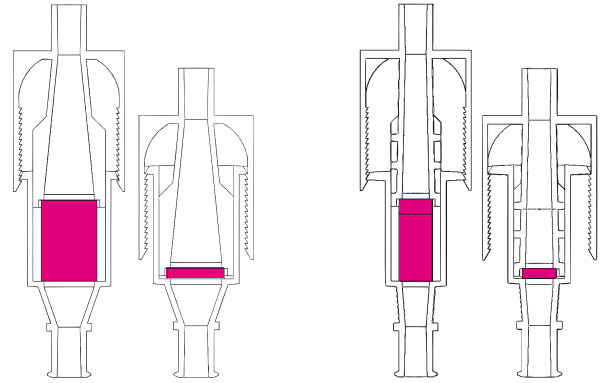


## Adapt the chamber dimensions to the size of your scaffold!

P3D chambers are designed to host cylindrical scaffolds and are supplied in two different sizes: P3D-6 and P3D-10 for scaffolds with nominal diameter 6 and 10 mm, respectively.

Useful height can be also adjusted to fit the length of your scaffold: insert the scaffold in the chamber and close it until the scaffold is securely fixed.

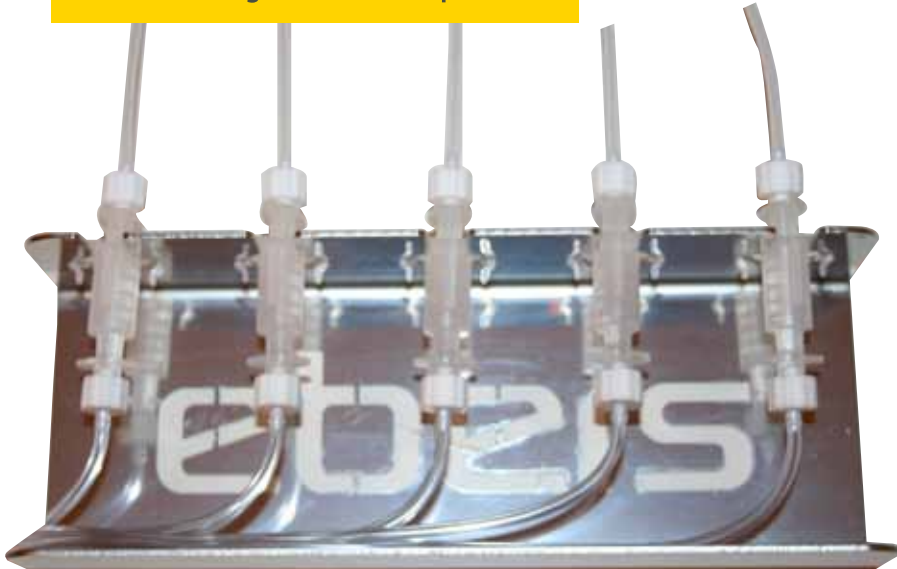
CHAMBER MODEL	SCAFFOLD DIAMETER	SCAFFOLD HEIGHT
P3D-6	5 to 7 mm	1 to 13 mm
P3D-10	9 to 11 mm	1 to 13 mm



P3D-10 Chamber

P3D-6 Chamber

Use the P3D chambers in combination with any device capable of pumping fluid through the scaffold pores!



## Supported by our products

P3D chambers can be used in combination with other EBERS products:

**Culture racks:** keep the chambers in vertical position in a tidy and smart way with our culture racks, available for culturing and cell seeding processes.

**TEB1000 flow bioreactor:** get better results by using the P3D chambers in combination with our flow bioreactor thanks to its extended flow control capabilities.

## EBERS experience, innovation and quality

EBERS is a biotechnology company formed by a team of engineers, biologists and physicians with more than 15 years of experience in the field of biomedical engineering. Since its creation, EBERS is committed to the development of more user-friendly, versatile and affordable equipment designed to meet ever-increasing research goals.

The company follows a sound R+D strategy applying our expertise to develop next-generation versions of existing products and explore the feasibility of current products in new applications while creating new research and clinical equipments and systems.

From design to delivery, ensuring optimal performance and reliability is of paramount importance to our team of highly skilled and experienced engineers. Once in the lab, you will be supported by our customer service department.

EBERS Medical Technology  
C/ María de Luna II, nave 3B  
E-50018, Zaragoza  
Spain

Tel/ Fax (+34) 876 013 826  
email: [info@ebersmedical.com](mailto:info@ebersmedical.com)

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