

VitraPOR® - the carrier material for adherent growing cell cultures from ROBU® made of pure, binder-free borosilicate glass 3.3.

Functionality:

The defined pore structure of the inert and biocompatible carrier material prevents the agglomeration of the cells due to the inclusion in microcapsules and significantly increases cell growth.

This makes it possible to increase cell numbers to the levels required for clinical trials, for example.

Test results:

Well-known research institutions have already achieved positive results with various cell cultures. A high density of cells has been confirmed in the periphery of the carriers and only occasionally in deeper areas.

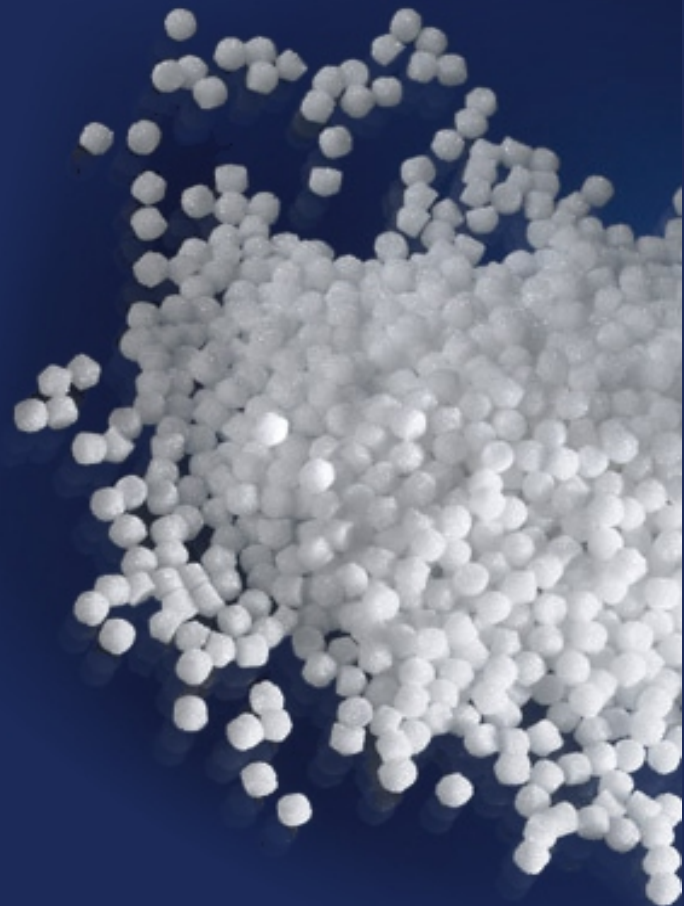
Cell description	Vitality
- CHO	90%
- A 549	93%
- SW 480	68%
- SW 620	82%
- 3T3	95%

The values take into account the harvesting processes used to remove the cells from the support, which are not yet technologically mature. Further tests with cells labelled C3a, M2a and NG108 are in preparation.

Recycling / reusability:

VitraPOR® can be autoclaved and sterilised as well as being cleaned in the usual way. Treatment in an ultrasonic bath is also possible.

The VitraPOR® carrier material is available in HDPE wide-neck bottles with a volume of 250 ml or 1,000 ml.



ROBU® manufactures custom products and samples in almost any shape and size.

We work closely with you to develop the right solutions. Test our capabilities!