THREE-DIMENSIONAL BIOREACTORS

ABSTRACT

The present invention relates to the design, fabrication and applications of three-dimensional (3D) bioreactor for cell expansion and cell secreted substance production. The bioreactors have relatively low levels of potentially cytotoxic compounds, can be coated with substituted or unsubstituted poly(p-xylene) type coatings and can also be separately formed from liquid crystal photopolymerizable monomers.

FIG. 1