## Porous Media, Applications in Biotechnology

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First published: 15 April 2010

https://doi.org/10.1002/9780470054581.eib493

## **Abstract**

After describing the main characteristics of porous media (porosity, tortuosity, permeability, and diffusivity), the role of porous media in mass transfer is analyzed with the help of numerical examples. Significant differences between the behavior of inert and biological porous media with respect to the response to external factors are considered. Current and prospective applications of porous media in biotechnology and biomedicine are highlighted.