

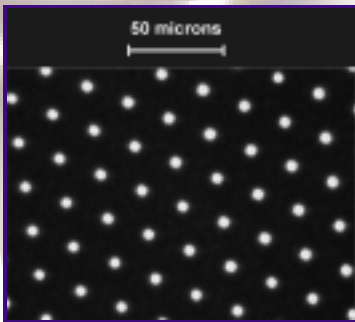
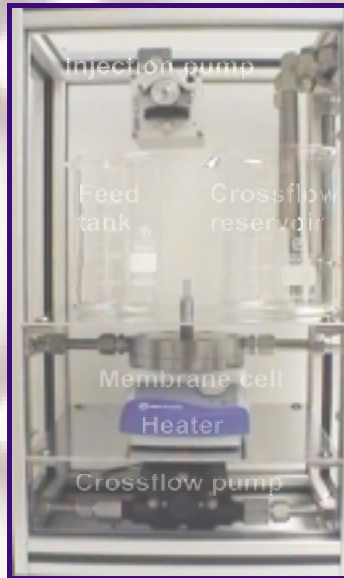
MICROPORE



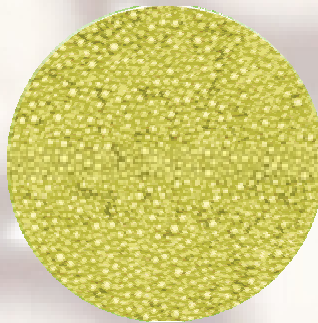
CROSSFLOW EMULSIFICATION



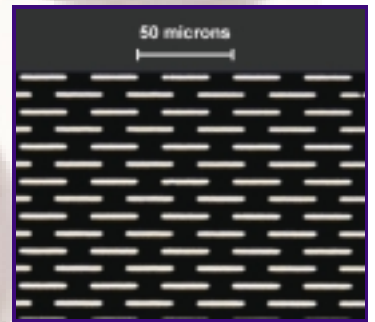
- **THE MICROPORE CROSSFLOW EMULSIFICATION** process uses the novel Micropore membranes to generate liquid drops below 20 microns in diameter
- Crossflow emulsification using membranes is a very easy to scale process, the cell illustrated here is the smallest available and uses a flat membrane with circular, or slotted, pores.
- Our surface microfiltration media is ideal for the purpose of membrane emulsification as the pores are uniform and there is no resistance to flow within the filter.
- The Micropore media can be made into tubes for use in crossflow membrane emulsification where required. Other geometries and shear at the surface techniques are available.
- Food and pharmaceutical applications are possible using approved pumps and fittings in the flow circuits. Computer controlled options are available.



Circular pore media is used for a more uniform droplet dispersion, other media types are available.



Droplets with a maximum diameter of 15 microns made using the novel Micropore membranes illustrated left (and right) during crossflow membrane emulsification



Slotted pore media is used for a very low pressure drop and to avoid any blockage of the medium during the injection process.

For more information, visit us at:

www.micropore.co.uk

TECHNOLOGIES