

## Dr. Colin Ingham

*MicroDish BV  
Utrecht, The Netherlands*



## Microcultivation chips for microbiology - can we build a better Petri dish...?

The Petri dish is the workhorse of microbiology but cultivation by this method has limitations - particularly that dish culture is hard to automate and that most microorganisms have yet to be grown on agar. Microengineering offers routes to new culture methods. We describe the use of cultivation chips with 4000-240000 microwells with a porous base. The use of these and related techniques in growing 'new' microorganisms, or known microbes in new but sometimes advantageous ways, will be described.