



DURAN® BAFFLED FLASKS

Why use baffled flasks?

- Due to limited oxygen transfer, cell growth is restricted in standard Erlenmeyer flasks
- Larger surface of the content results in a higher possible oxygen intake due to increased gas exchange area
- Baffled flasks
 - interrupt the laminar flow to create a turbulent flow
 - increase the surface of the liquid and the gas exchange surface
 - produce a higher oxygen transfer compared to standard Erlenmeyer flasks



Benefits of DURAN® baffled flasks

- completely automated machine manufacturing
 - = reproducible geometry
 - = comparable results
- complete with membrane screw cap (reproducible gas exchange)
- with retrace code (batch certificate via Internet)

Comparison of the produced microbial mass (experiment with *E.coli* bacteria):

