Anderlei T, Cesana C., Kühner M, Kühner AG, Switzerland Lohser R, BioPro International, USA Wurm F, EPFL, Switzerland Bürki C, de Jesus M, ExcellGene SA, Switzerland



10L

O O Kuhnershaker

20mL

Orbital Shaken Bioreactor for Cell Cultivation

Orbital shaking technology has been widely used in biotechnology because it offers ease-of-use, increased flexibility and reduced costs. Recently, orbital shaken bioreactors of capacities from 1mL -1000L have been employed for cultivation of mammalian cells and are expected to become attractive alternatives to conventional stirred-tank bioreactors.

Good Scalability:

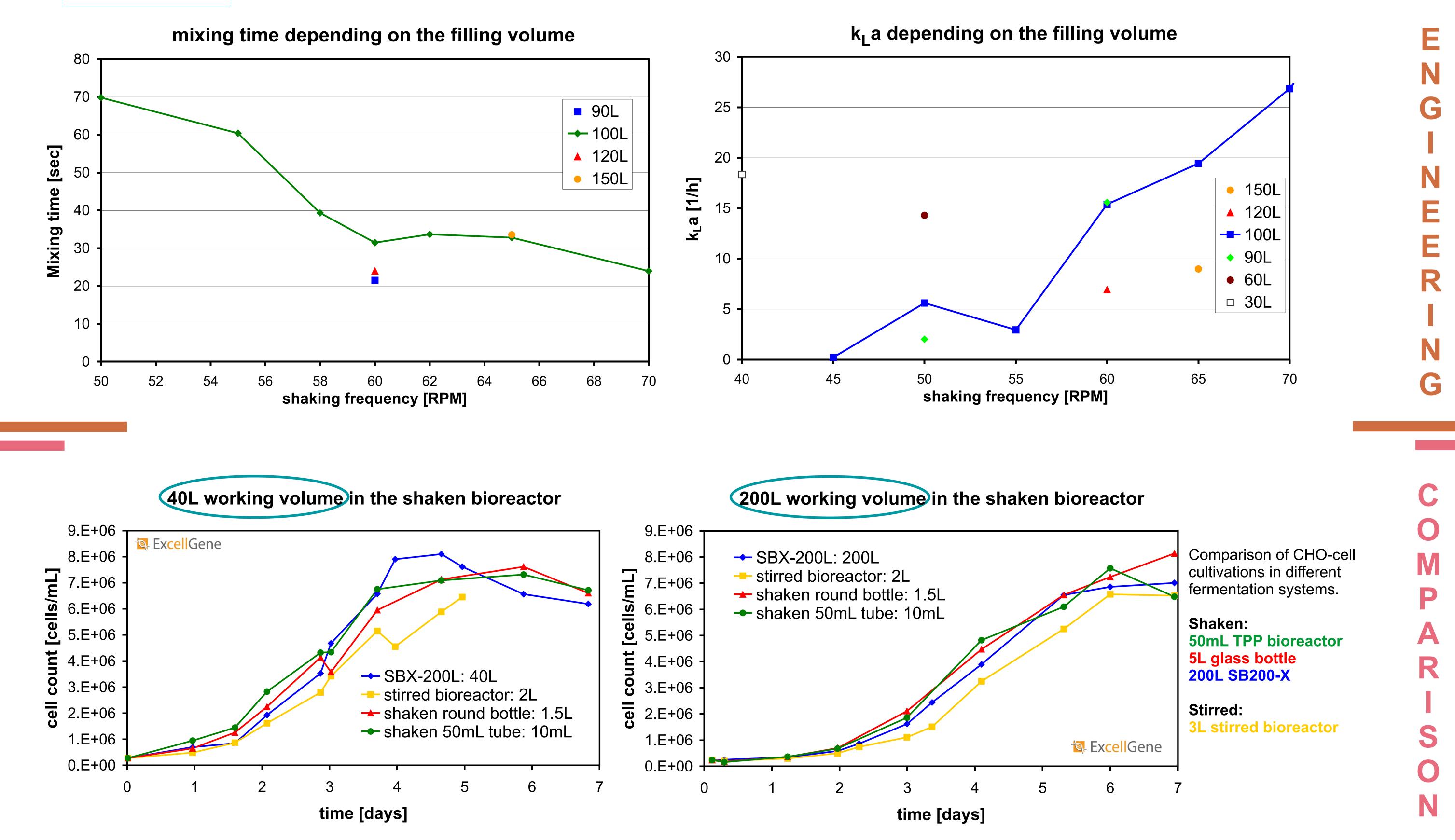
- + same hydrodynamics + surface aeration
- + calculable
- + no foam
- + no bubbles



100mL

Results from the 200L-bioreactor system





Adolf Kühner AG Dinkelbergstr. 1, CH-4127 Birsfelden (Basel) Switzerland fon: +41 61 319 9393, www.kuhner.com



