

Biocompatible 3D printed microfluidic system for cell mixing and particle focussing using Dean flow fractionation – a practical guide

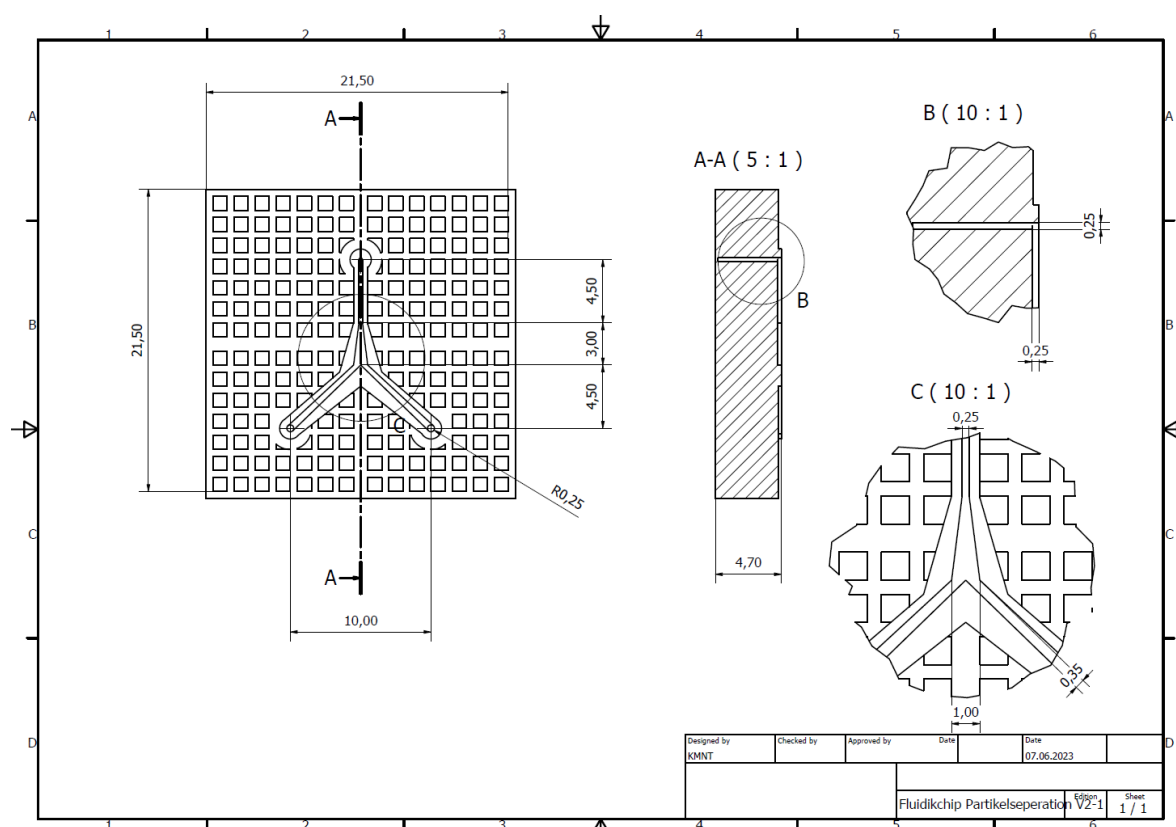
Alexander Wiede ^{1,2}, Ondrej Stranik ¹, Astrid Tannert ^{1,2}, and Ute Neugebauer ^{1,2,3} *

¹ Leibniz-Institut für Photonische Technologien e.V. (Leibniz-IPHT), Member of Leibniz Health Technologies, Member of the Leibniz Centre for Photonics in Infection Research (LPI); Albert-Einstein-Straße 9, Jena, 07745, Germany

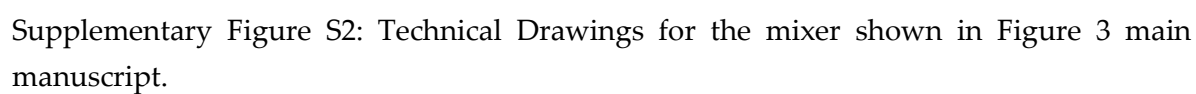
² Center for Sepsis Control and Care (CSCC), Universitätsklinikum Jena, Am Klinikum 1, Jena, 07747, Germany

³ Institute of Physical Chemistry (IPC) and Abbe Center of Photonics (ACP), Friedrich Schiller University Jena; Helmholtzweg 4, Jena, 07743, Germany

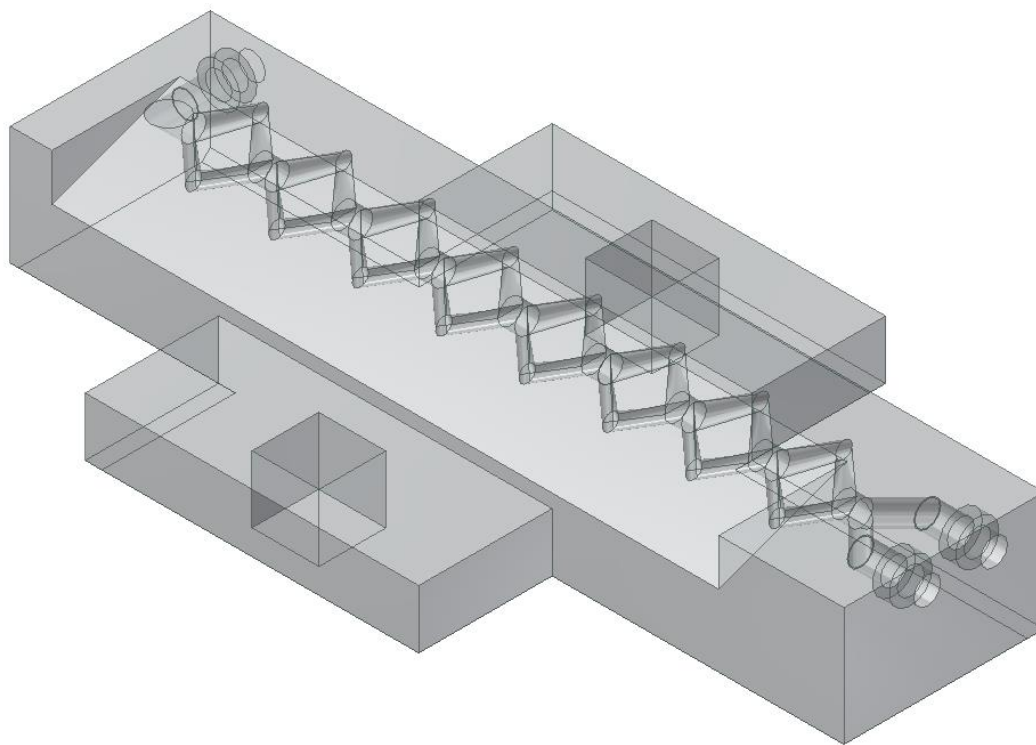
* Correspondence: ute.neugebauer(a)leibniz-ipht.de; Tel.: +49 (0) 3641 206-103



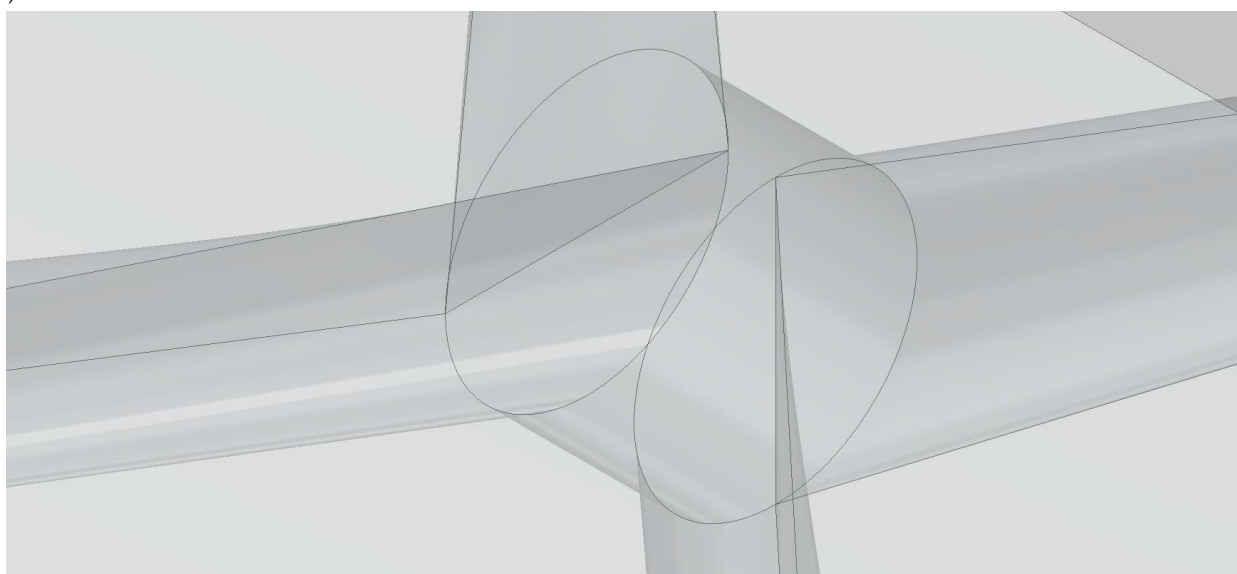
Supplementary Figure S1: Technical drawings for the Y-junction chip shown in Figure 2 main manuscript.



A)



B)



Supplementary Figure S3: Detailed sketches of the mixer design from Figure 3b, main manuscript. A: overview image. B: single chamber.