Dutscher
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Technical Data Sheet



Description

ENSEMBLE LAME-LAMELLE POUR CRISTALLOGRAPHIE x 20

Part number

900503

Pieces by sales : 20

Description

LCP (Lipidic cubic phase) Sandwich Set

- optimized for the crystallographic study of membrane proteins. References: V. Cherezov, J. Clogston, M. Z. Papiz, M. Caffrey (2006) Room to Move: Crystallizing Membrane Proteins in Swollen Lipidic Mesophases. Journal of Molecular Biology 357, 1605 – 1618
- developed at the NIH Roadmap Center for membrane protein research (http://jcimpt.scripps.edu) and routinely used in GPCR structural biology. References: V. Cherezov, D. M. Rosenbaum, M. A. Hanson, S. G. Rasmussen, F. S. Thian, T. S. Kobilka, H. J. Choi, P. Kuhn, W. I. Weis, B. K. Kobilka and R. C. Stevens (2007) High-resolution crystal structure of an engineered human beta2-adrenergic G protein-coupled receptor. Science 318: 1258-65
- other applications using LCP membrane protein structure based in drug design

Bottom slide

- dimensions: approx 127.8 x 85.5 mm, thickness approx. 1 mm
- with superhydrophobic glass surface
- covered with a 0.2 mm high spacer. This spacer has 96 recesses of 5 mm diameter. They are consistent with the SBS format for robotic handling. The spacer has an adhesive surface to which the hydrophobic coverslip attaches. The crystallization drops are, hence, sealed in these reaction chambers.
- in boxes of 20 pcs.

Cover slip

- dimensions: approx 112 x 77 mm, thickness No. 1.5 (0.16 to 0.19 mm)
- optimized for bright field, UV and fluorescent microscopy

Details	LCP sandwich set: Bottom slide and cover slip High spacer approx. 0.2 mm