



FRAP (Fluorescent recovery after photobleaching) Sandwich Set

The FRAP sandwich set consists of a base glass slide and an optimized cover slip. This product has been developed jointly with the renowned Scripps Research Institute in La Jolla, California, USA.

Application

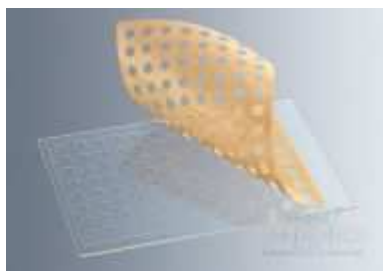
- for development of an automated system of high throughput LCP-FRAP to guide the crystallization of membrane proteins in lipid mesophases. References: F. Xu, W. Liu, M. A. Hanson, R. C. Stevens and V. Cherezov (2011) Development of an automated high throughput LCP-FRAP assay to guide membrane protein crystallization in lipid mesophases Cryst Growth Des 11: 1193-1201
- 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

Bottom slide

- dimensions: approx 127.8 x 85.5 mm, thickness approx. 1 mm
- with superhydrophobic glass surface
- covered with a 0.06 mm high spacer. This spacer has 96 recesses of 7 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.

Cover slip

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



Cat. No.

0890005 FRAP sandwich set: Bottom slide and cover slip

Unit

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