

18 x 18 mm No. 1 Siliconized Cover Slides, Square - 1000/cs

Crystallization screening of membrane proteins in lipidic mesophase as well as bicelle method and batch method

Product codes:

Reference: HR 3152

Product gallery:



Product description:

- Small volume LCP, bicelle and microbatch crystallization
- High quality glass optics
- Excellent drop optics since mesophase bolus is physically sandwiched between two optically clear surfaces eliminating the mesophase / aqueous medium interface and the corresponding roughness
- Glass plate allows for visualization of microcrystals using birefringence-free examination between crossed polarizers
- Superhydrophobic glass surfaces
- Optimized for bright field, UV and fluorescent microscopy
- Excellent stability, resistant to evaporation

The LCP Sandwich Set consists of a base glass slide and an optimized cover slip. LCP Sandwich Set developed jointly with the renowned Scripps Research Institute in La Jolla, California, USA and is manufactured by Paul Marienfeld (0890003).

The LCP Glass Sandwich Set is a specially designed plate for either automated or manual setting of 96 Lipidic Cubic Phase matrix screening experiments. The plate can also be used for the bicelle method and batch method. The thin (2 mm high) plates have exquisite optical properties

and are well suited for the detection of microcrystals and for birefringence-free imaging between crossed polarizers. The plates allow for in meso crystallization trials with 50 nanoliters protein/lipid mesophase and 1 microliter precipitant solution per trial.

The 96 well LCP Glass Sandwich Plate consists of a) 127.8 x 85.5 x 1 mm glass base plate with the footprint of an SBS-compliant plate, a 140 μ m thick double sticky spacer with 96 punched out holes and b) a 0.2 mm thick glass coverslip. The double sticky spacer is already adhered to the base plate. A brown paper liner covers and protects the top of the double sticky spacer and base plate. The 0.2 mm thick glass coverslip fits over and seals the entire 96 well lower plate. Alternatively a series of twenty-four siliconized 18 x 18 mm No. 1 square cover slides (HR3-152) can be used to seal the entire 96 well lower plate. Each 18 x 18 mm No. 1 cover slide seals 4 wells. Space for a bar code is available at the left end of the plate. Each well can contain 50 nanoliters of cubic phase and 1 microliter of crystallization reagent.

18 x 18 mm No. 1 Siliconized Cover Slides are made from chemically resistant borosilicate glass D 263 M of the first hydrolytic class. The slides are colorless, clear, and suitable for fluorescence microscopy. The slides feature a super hydrophobic surface on both sides. The slides are No. thickness (0.13 to 0.16 mm). The slides are supplied in a two compartment plastic box, 100 slides per box, 10 boxes per case, 1,000 slides total for HR3-152.

The Tungsten-carbide glass cutter can be used for cutting and removal of the upper coverglass that seals the LCP Sandwich Set. Sold separately.

Per maggiori informazioni visita il sito <https://hamptonresearch.com/>

Product features:

CRF - TIPO: LCP Sandwich Set