MemMeso™- optimized screen for LCP crystallization.

Make sure you get the lipidic phase you need for success.

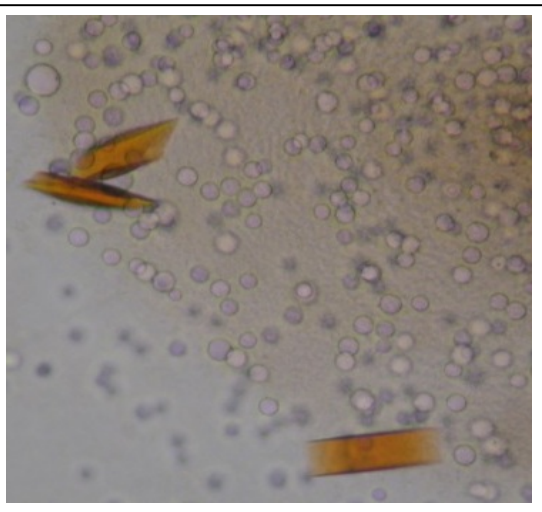
Developed in conjunction with the successful laboratory of Prof. Osamu Nureki at the University of Tokyo, Japan, this semi-systematic screen has been designed to work in synergy with Lipidic Cubic Phase (LCP), now commonly used in membrane protein crystallization, without perturbing phase formation.

To date, components of MemMeso have crystallized **no fewer than eight membrane proteins structures**, namely: Channelrhodopsin (2012, *Nature*, Vol 482, p369-375), PfMATE (2013, *Nature*, Vol 496, p247-253), NCX_Mj (2013, *Science*, Vol 341, p168-172), GkPOT (2013, PNAS, Vol 110 no 28, p11343-11348), and four bacterial transporters (manuscript in preparation).

Crystals of the peptide transporter GkPOT (Doki et al., *PNAS*, 2013).

Benefits of MemMeso™:

- ***Optimized*** to work in synergy with Lipidic Cubic Phase (LCP) and the LCP crystallization method.
- ***Worry-Free*** screening in both LCP and Sponge Phase.
- Up-to-date conditions data-mined from current reported GPCR crystal structures.
- ***HT- format*** semi-systematic screening kit, containing 96 conditions covering a range of pH, precipitants and salt.
- ***Proven success*** at crystallizing the crystal structures of eight membrane proteins, including the structure of channelrhodopsin (2012, Nature).



Crystals of channelrhodopsin (Kato et al., *Nature*, 2012).

Scan here for direct link to datasheet...

Order MemMeso now as: MD1-85 96 x 0.25 mL deep-well block.