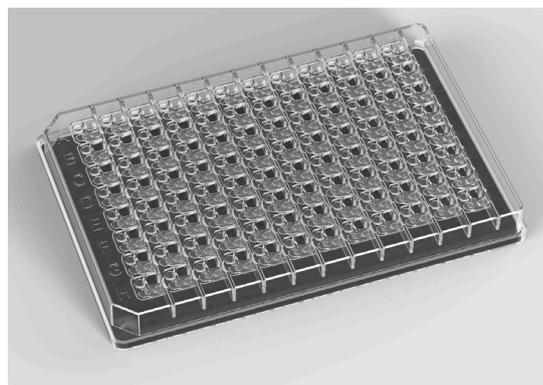


| 产品名称 | 货号 | 品牌 | 板孔 | 储液槽孔 体积 | 蛋白孔/ 储液槽 | 蛋白孔 体积 | 材料 |
|--|----------|----------------|----|------------------------|-------------|-----------------------|-------------|
| 悬挂滴液 | | | | | | | |
| Crystalgen SuperClear™ Plate | CPL-130 | Crystalgen | 24 | 3.500 µl | - | - | Polystyrene |
| Crystalgen SuperClear™ Plate, pregreased | CPL-132 | Crystalgen | 24 | 3.500 µl | - | - | Polystyrene |
| Linbro Plate Space Saver | CPL-166 | MP Biomedicals | 24 | 3.500 µl | - | - | Polystyrene |
| HDP Hanging Drop Crystallization Plate | CPL-151 | Swissci | 96 | 200 µl | - | 5 µl | UVP |
| In-situ-1 Crystallization Plate | CPL-160 | MiTeGen | 96 | 40 µl | 1 | droplets 50 nL - 2 µl | COC |
| 坐滴 | | | | | | | |
| MRC Maxi Plate | CPL-154 | Swissci | 48 | 200 µl | 1 | 10 µl | UVP |
| MRC Maxi Plate | CPL-155 | Swissci | 48 | 200 µl | 1 | 10 µl | Polystyrene |
| In-situ-1 Crystallization Plate | CPL-160 | MiTeGen | 96 | 40 µl | 1 | droplets 50 nL - 2 µl | COC |
| CrystalDirect™ Plate | CPL-167 | MiTeGen | 96 | 50 µl | 1 | droplets up to 1 µl | COC |
| MRC 2 Well Crystallization Plate | CPL-139 | Swissci | 96 | 85 µl | 2 | 5 µl | UVP |
| MRC 2 Well Crystallization Plate | CPL-153 | Swissci | 96 | 85 µl | 2 | 5 µl | Polystyrene |
| MRC 2 Well Crystallization Plate | CPL-163 | Swissci | 96 | 85 µl | 2 | 5 µl | UVXPO |
| 3 Well Crystallization Plate | CPL-149 | Swissci | 96 | 30 µl | 3 | 5 µl | UVP |
| 3 Well Crystallization Plate | CPL-150 | Swissci | 96 | 30 µl | 3 | 5 µl | Polystyrene |
| 3 Well Crystallization Plate | CPL-168 | Swissci | 96 | 30 µl | 3 | 5 µl | UVXPO |
| 3 Well Crystallization Plate - Low Profile | CPL-164 | Swissci | 96 | 30 µl | 3 | 5 µl | UVP |
| 3 Well Crystallization Plate - Low Profile | CPL-165 | Swissci | 96 | 30 µl | 3 | 5 µl | Polystyrene |
| 3 Well Crystallization Plate - Low Profile | CPL-169 | Swissci | 96 | 30 µl | 3 | 5 µl | UVXPO |
| 脂质立方相 | | | | | | | |
| IMISX™ Plate Kit | CPL-162 | MiTeGen | 96 | 600 nL + 100 nL LCP | - | - | COC, Glass |
| LCP Glass Sandwich Set | CPL-159 | Marienfeld | 96 | 1 µl + 50 nL LCP | - | - | Glass |
| Lipidic Cubic Phase Screening Kit | CPL-156 | Swissci | 96 | 1 µl + 50 nL LCP | - | - | UVP |
| 微批板 | | | | | | | |
| MRC Under Oil Crystallization Plate | CPL-152 | Swissci | 96 | 20 µl | - | - | UVP |
| 透析 | | | | | | | |
| Diaplate Kit | X-W82010 | Swissci | 96 | - | - | 3,2 µl | Polystyrene |

| 产品名称 | 货号 | 品牌 |
|---|----------|-----------------|
| 封口胶带 | | |
| HD Clear™ Sealing Tape - 3 inches wide | CTP-101M | Duck |
| HD Clear™ Sealing Tape - 1.88 inches wide | CTP-100 | Duck |
| Greiner VIEWseal™ | CTP-102 | Greiner Bio-One |
| UVXPO Sealing Sheets | CTP-106 | Swissci |
| 96 Well 主块和盖垫 | | |
| Greiner 780271 - Masterblock 2 ml | CMB-102 | Greiner Bio-One |
| Axyamat Silicone Sealing Mat | CCM-103 | Axygen |



脂质立方相晶体 Lipidic Cubic Phase Crystals



脂质立方相 (LCP) 结晶已经发展成为膜蛋白结晶的一种重要方法, 其中脂质单油酸甘油酯 (Monoolein) 是创建稳定LCP的首选。然而, 在过去几年中, 短链脂质7.7 MAG^[4,7]、7.8 MAG^[6-8]和7.9 MAG^[5,7]变得越来越受欢迎。最近在将高黏度脂质立方相应用于连续飞秒晶体学 (LCP-SFX) 方面的进展^[1-3], 通过以下方式进一步加速了LCP方法的成功:

- › 将载有晶体的黏性LCP直接送入X射线自由电子激光 (XFEL) 光束中 (与液体注射器相比, 减少了样品消耗)
- › 利用在LCP中生长的固有小晶体
- › 避免了从LCP中进行棘手的晶体装载

Online catalog
LCP Lipids at 7



| LCP 脂质 | 脂质结构 | 货号 | 规格 |
|---|------|-----------|--------|
| Monoolein 9.9 MAG | | X-LCP-101 | 1 g |
| 7.7 MAG | | X-LCP-105 | 100 mg |
| 7.8 MAG | | X-LCP-106 | 100 mg |
| 7.9 MAG Stable at low temperatures ^[9] | | X-LCP-107 | 100 mg |
| Monopalmitolein 9.7 MAG | | X-LCP-102 | 1 g |
| Monovaccenin 11.7 MAG | | X-LCP-103 | 100 mg |
| Monoicosenoin 11.9 MAG | | X-LCP-104 | 1 g |

JBScreen LCP旨在高效筛选LCP中的结晶条件。上述表格中的每种LCP脂质都能创建一个稳定的脂质立方相, 可用于与JBScreen LCP进行结晶设置。其96种条件是通过192种成功通过in meso方法结晶并产生结构的整合膜蛋白进行数据挖掘得出的^[7]。该筛选按沉淀剂的浓度和类型排序, 并且不含乙酸镉。

| 产品名称 | 货号 | 规格 |
|-------------------------|---------|-----------------------------|
| JBScreen LCP | CS-340 | 4x24 solutions (10 ml each) |
| JBScreen LCP HTS | CS-213L | 96 solutions (1,7 ml each) |

Online catalog
LCP Screens at 7



[1] Nogly et al. (2016) Lipidic cubic phase injector is a viable crystal delivery system for time-resolved serial crystallography. *Nat. Commun.* **7**:12314.
 [2] Zhu et al. (2016) Serial Femtosecond Crystallography of Membrane Proteins. *Adv. Exp. Med. Biol.* **922**:151.
 [3] Batyuk et al. (2016) Native phasing of x-ray free-electron laser data for a G protein-coupled receptor. *Sci. Adv.* **2**:e1600292.
 [4] Coincon et al. (2016) Crystal structures reveal the molecular basis of ion translocation in sodium/proton antiporters. *Nat. Struct. Mol. Biol.* **23**:248.
 [5] Li et al. (2015) Ternary structure reveals mechanism of a membrane diacylglycerol kinase. *Nat. Commun.* **6**:10140.
 [6] Fowler et al. (2015) Gating Topology of the Proton-Coupled Oligopeptide Symporters. *Structure* **23**:290.
 [7] Caffrey (2015) A comprehensive review of the lipid cubic phase or in meso method for crystallizing membrane and soluble proteins and complexes. *Acta Cryst F* **71**:3.
 [8] Li et al. (2013) Crystal structure of the integral membrane diacylglycerol kinase. *Nature* **497**:521.
 [9] Misquitta et al. (2004) Rational design of lipid for membrane protein crystallization. *Journal of Structural Biology* **148**:169.



结晶条件筛选工具 JBScreen Classic



JBScreen Classic 是一种用于蛋白质、肽、核酸、大分子复合物和水溶性小分子结晶条件高效灵活筛选的结晶试剂盒。

JBScreen Classic 套装 1-10 覆盖了 240 种蛋白质结晶中最突出的缓冲液。其成分是通过数千种已结晶蛋白质的数据挖掘得出的。**JBScreen Classic 代表了在统计上最成功的缓冲液**，能够产生适合 X 射线衍射的蛋白质晶体。

JBScreen Classic 缓冲液主要按沉淀剂的类型和浓度排序。这便于提取所有相关信息，并且本身就是一种初步优化：一旦获得结晶结果，你就能立即看到相邻条件的影响。后续对初步结晶结果的微调将更加高效。

JBScreen Classic 包含 10 套试剂盒，每套有 24 种独特的试剂，采用标准的 10 ml 大包装形式。JBScreen Classic HTS I+II 包含 JBScreen 系统的配方，适用于高通量结晶应用的 96 孔格式。每个 JBScreen Classic HTS 深孔块预先填充了 96 种无菌条件，每种 1.7 ml。

| 产品名称 | 货号 | 规格 |
|---|---------|-------------------------------|
| JBScreen Classic 1 (PEG 400 to 3000 based) | CS-101L | 24 solutions (10 ml each) |
| JBScreen Classic 2 (PEG 4000 based) | CS-102L | 24 solutions (10 ml each) |
| JBScreen Classic 3 (PEG 4000+ based) | CS-103L | 24 solutions (10 ml each) |
| JBScreen Classic 4 (PEG 5000 MME to 8000 based) | CS-104L | 24 solutions (10 ml each) |
| JBScreen Classic 5 (PEG 8000 to 20000 based) | CS-105L | 24 solutions (10 ml each) |
| JBScreen Classic 6 (Ammonium Sulfate based) | CS-106L | 24 solutions (10 ml each) |
| JBScreen Classic 7 (MPD based) | CS-107L | 24 solutions (10 ml each) |
| JBScreen Classic 8 (MPD/Alcohol based) | CS-108L | 24 solutions (10 ml each) |
| JBScreen Classic 9 (Alcohol/Salt based) | CS-109L | 24 solutions (10 ml each) |
| JBScreen Classic 10 (Salt based) | CS-110L | 24 solutions (10 ml each) |
| JBScreen Classic 1 - 5 | CS-112L | 5 Kits |
| JBScreen Classic 6 - 10 | CS-113L | 5 Kits |
| JBScreen Classic 1 - 10 | CS-114L | 10 Kits |
| JBScreen Classic HTS I (PEG based) | CS-201L | 96 solutions (1,7 ml each) |
| JBScreen Classic HTS II (Ammonium Sulfate, MPD, Alcohol and Salt based) | CS-202L | 96 solutions (1,7 ml each) |



Get informed about
JBScreen Classic at [↗](#)



SuperClear 板和盖玻片

SuperClear Plates & Cover Slides



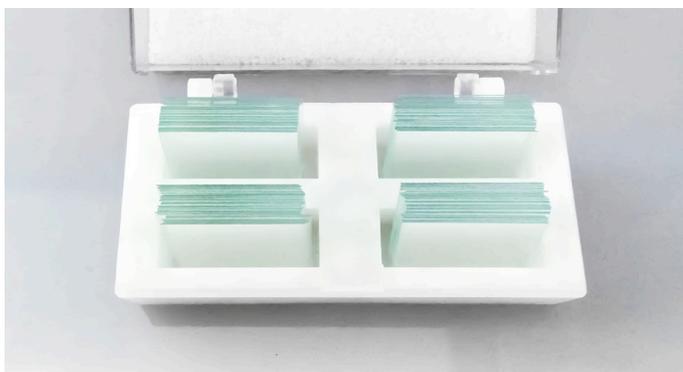
超清晰24孔板

- › 由晶莹剔透的聚苯乙烯制成，完美呈现液滴的可视化
- › 提供预涂油或无油版本
- › 可堆叠，包含盖子
- › 单独包装
- › 需用22 mm盖玻片密封



Get informed about [SuperClear Plates](#) ↗

| 产品名称 | 货号 | 规格 |
|-----------------------------------|---------|----------|
| Crystalgen SuperClear Plates | CPL-130 | 100 pcs. |
| Crystalgen SuperClear Plates, 预涂油 | CPL-132 | 100 pcs. |



盖玻片

玻璃盖玻片可提供普通或硅化表面处理。
18 mm盖玻片适用于Linbro板空间节省器，
22 mm盖玻片适用于超清晰板。非常适合各种结晶实验，如夹心、悬挂和坐滴法

| 产品名称 | 货号 | 规格 |
|--|---------|-----------|
| 18 mm Circular Cover Slides – 普通 circle diameter: 18 mm; thickness: 0,22 mm | CSL-103 | 1000 pcs. |
| 22 mm Circular Cover Slides – 普通 circle diameter: 22 mm; thickness: 0,22 mm | CSL-104 | 1000 pcs. |
| 18 mm Circular Cover Slides – 硅化处理 circle diameter: 18 mm; thickness: 0,22 mm | CSL-105 | 500 pcs. |
| 22 mm Thick Circular Cover Slides – 硅化处理 circle diameter: 22 mm; thickness: 0,5 mm | CSL-107 | 500 pcs. |
| 18 mm Square Cover Slides – 普通 thickness: 0,22 mm | CSL-108 | 1000 pcs. |



Get informed about [Cover Slides](#) ↗

