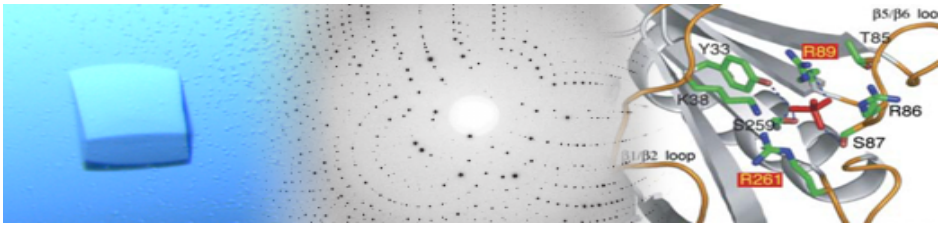

LMB plates

Sealed 2-drop MRC crystallisation plates (MRC96T-UVP) with prefilled reservoirs (80 µL)

No	plate	kit	supplier	cat. No	basic description
1	LMB01	Crystal Screen 1	Hampton Research	HR2-110	Sparse Matrix (pH 4.6-8.5)
		Crystal Screen 2	Hampton Research	HR2-112	Stochastic sampling (pH 4.6-9.0)
2	LMB02	Wizard 1	Rigaku	1009530	Stochastic sampling (pH 4.5-10.5)
		Wizard 2	Rigaku	1009531	Stochastic sampling (pH 4.5-10.5)
3	LMB03	Grid Screen Ammonium Sulfate	Hampton Research	HR2-211	Grid screen, [AmS] = 0.8-3.2 M and buffers pH 4.0-9.0
		Grid Screen PEG/LiCl	Hampton Research	HR2-217	Grid screen, [PEG 6000] = 0-30 %w/v, conc. LiCl = 1.0 M and buffers pH 4.0-9.0
		Quick Screen	Hampton Research	HR2-221	Grid screen, [NaKPO4] = 0.8-1.8 M at pH 5.0-8.2
		Grid Screen Sodium Chloride	Hampton Research	HR2-219	Grid screen, [NaCl] = 1.0-4.0 M and buffers pH 4.0-9.0
4	LMB04	Grid Screen PEG 6000	Hampton Research	HR2-213	Grid screen, [PEG 6000] = 5-30 %w/v and buffers pH 4.0-9.0
		Grid Screen MPD	Hampton Research	HR2-215	Grid screen [MPD] = 10-65 %w/v and buffers pH 4.0-9.0
		MemFac	Hampton Research	HR2-114	Sparse Matrix for membrane proteins (pH 4.6-8.5)
5	LMB05	PEG-Ion	Hampton Research	HR2-126	Grid screen, [PEG 3350] = 20 %w/v and various salts at 0.2 M (no buffers)
		Natrix	Hampton Research	HR2-116	Incomplete factorial (pH 5.6-8.5)
6	LMB07	Wizard Cryo 1	Rigaku	1009536	Stochastic sampling with conditions cryoprotected using low MW PEGs (pH 4.5-9.4)
		Wizard Cryo 2	Rigaku	1009537	Stochastic sampling with conditions cryoprotected using low MW PEGs (pH 4.5-10.1)
7	LMB09	JBS5	JenaBioScience	CS-105L	Incomplete factorial based on heavy MW PEGs (pH 6.5-9.5)
		JBS6	JenaBioScience	CS-106L	Incomplete factorial based on AmS (pH 4.6-8.5)
		JBS7	JenaBioScience	CS-107L	Incomplete factorial based on MPD (pH 4.6-8.5)
		JBS8	JenaBioScience	CS-108L	Incomplete factorial based on MPD and ethanol (pH 4.6-8.5)
8	LMB10	JBS9	JenaBioScience	CS-109L	Incomplete factorial based on common salts and 2-propanol (pH 4.6-8.5)
		JBS10	JenaBioScience	CS-110L	Incomplete factorial based on common salts (pH 4.6-8.5)
		Clear Strategy Screen 1 pH 4.5	Molecular Dimensions	MD1-16LMB	Grid screen with various PEGs, pH set to 4.5
		Clear Strategy Screen 1 pH 5.5	Molecular Dimensions	MD1-16LMB	Grid screen with various PEGs, pH set to 5.5
9	LMB14	SaltRX 1	Hampton Research	HR2-107	Grid screen including 22 unique salts versus salt concentration and pH (4.1-9.0)
		SaltRX 2	Hampton Research	HR2-109	Grid screen including 22 unique salts versus salt concentration and pH (4.1-9.0)
10	LMB15	MemStart	Molecular Dimensions	MD1-21	Sparse matrix for membrane proteins (pH 4.0-10.0)
		MemSys	Molecular Dimensions	MD1-25	Grid screen for membrane proteins (mostly PEGs, pH 3.5-9.5)
11	LMB16	JCSG+	Qiagen	130720	Sparse Matrix including conditions selected from JCSG (pH 4.0-10.0)
12	LMB17	MORPHEUS	Molecular Dimensions	MD1-46	Grid screen including mixes of additives and cryoprotected conditions (pH 6.5-8.5)
13	LMB20	MORPHEUS II	Molecular Dimensions	MD1-91	Grid screen including mixes of under-represented reagents and cryoprotected conditions (pH 6.5-8.5)
14	LMB21	LMB crystallization screen	Molecular Dimensions	MD1-98	Sparse matrix including conditions selected from LMB publications (pH 3.5-9.0)
15	LMB23	MORPHEUS FUSION	Molecular Dimensions	MD1-129	Incomplete factorial with most components from Morpheus I, II and III (pH 6.5-8.5)
16	LMB24	HELIX screen	Molecular Dimensions	MD1-68	Sparse matrix designed for RNA/DNA (integrates polyamines)
17	LMB25	CSIRO organics	Molecular Dimensions	MD1-150	Sparse matrix integrating various polyols (e.g. MPD) and polymers as precipitants (pH range 4.2 - 9.5)
18	LMB26	MORPHEUS SZ	n/a	n/a	Morpheus grid screen with acidic pH range (pH 4.5-7.5) and upgraded mixes of additives

18 LMB plates x 96 = 1,728 conditions

18 LMB plates x 16 µL = 288 µL required for protocol "1 drop 100 nl" on the Mosquito

LMB 06, 08, 11, 12, 13 , 18, 19 and 22 were discontinued on December 2025.

Condensation may occur on the inner seal, especially when conditions contain volatile reagents (notably MPD and ethanol).
Please seek advices from the Protein Crystallisation Facility Manager (Fabrice Gorrec, ext. 7807, fgorrec@mrc-lmb.cam.ac.uk)