

ICCB-L Recommended Screening Priority for Compound Libraries (January 31, 2017)

Library Name	# of Compounds	Plate Numbers	# of Plates
1. Known Bioactives [Recommended especially for cell-based screens]			
NIH Clinical Collection 1 - 2014	450	3640-3641	2
NIH Clinical Collection 2 - 2013	281	3579	1
Selleck (at 10mM, 3.33mM or 1.11mM) - see website for details	1,902	3651-3657 3658-3664 3665-3671	7 per []
Biomol 4 - FDA Approved Drug Library	640	2089-2090	2
Microsource 1 - US Drug Collection +	1,040	2091-2094	4
Sigma Lopac	1,280	3260-3263	4
NINDS Custom Collection 2 +	1,040	1920-1923	4
MSDiscovery 1	270	3264	1
eMolecules 2014	248	3604	1
ChemBridge GPCR	250	3407	1
ChemBridge IONCore	250	3408	1
ChemBridge KINACore	250	3410	1
ChemBridge NHRBCore	250	3409	1
Cayman Biolipid 1	831	3648-3650	3
Prestwick 2 Collection	1,120	2095-2098	4
Biomol ICCB Known Bioactives 2012	480	3402-3403	2
Tocriscreen™ Mini Library 2	1,120	3411-3414	4
SYNthesis Kinase Inhibitor 2 (please contact Jen Smith)	96(x3)	3580	1
EMD Kinase Inhibitor Library 1 (please contact Jen Smith)	244	3229	1
GSK Inhibitor 1 (contact Jen Smith) **Note the platemap**	367	3303-3304	2
Roche Kinase Inhibitors (please contact Jen Smith)	235	3401	1
2. Natural Product Extracts			
Human Microbiota Extracts 1	309	3576	1
Human Microbiota Extracts 2	160	3761	1
3. Academic Collections			
LINCS 3 - Chromatin Targeting Library	41 (x4)	3426	1
LINCS 1 (please contact Jen Smith)	88(x4)	3265	1
LINCS 2 (please contact Jen Smith)	88(x4)	3295	1
LINCS 4 (please contact Jen Smith)	169 (x4)	3672-3674	3
Gray Kinase Inhibitor Focused (Please contact Jen Smith)	187	2043	1
BU-CMD 2017 (please contact Jen Smith)	2,457	3762-3768	7
4. Most Recently Plated Commercial Compounds			
Asinex 1	12,378	1671-1706	36
ChemBridge 3	10,560	1577-1606	30
ChemDiv6 (please contact Jen Smith)	44,000	1795-1919	125
ChemDiv 4	14,677	1607-1648	42
ChemDiv 7	49,128	3428-3567	140
Enamine 2 **note the platemap for plate 1790**	26,224	1716-1790	75
Enamine 2a **see website for more information**	352	3153	1
Life Chemicals 1	3,893	1649-1660	12
Maybridge 5	3,212	1661-1670	10
5. Other Commercial Compounds			
ActimolTimTec 1	8,518	1534-1558	25
Bionet 2	1,700	1364-1368	5
ChemDiv 2 **note the platemap for plate 1387**	8,560	1369-1393	25
ChemDiv 3	16,544	1473-1519	47
ChemDiv1 (Combilab and Int'l)	28,864	587-668	82
ChemDiv 5	1,249	1709-1712	4
Enamine 1	6,004	1394-1411	18
I.F. Lab 1	6,543	1412-1430	19
I.F. Lab 2	292	1459	1
Maybridge 3	7,639	1431-1452	22
Maybridge 4	4,576	1521-1533	13
MixCommercial 5	268	1520	1

+ Overlap between these libraries is ≥73%