

Methyltransferase	Assay Format
1 ASH1L	Radiometric HotSpot™
2 DNMT1	Radiometric HotSpot™
3 DNMT3A	Radiometric HotSpot™
4 DNMT3B	Radiometric HotSpot™
5 DNMT3B/3L	Radiometric HotSpot™
6 DOT1L	Radiometric HotSpot™
7 EZH1 Complex	Radiometric HotSpot™
8 EZH2 Complex	Radiometric HotSpot™
9 EZH2(Y641F) Complex	Radiometric HotSpot™
10 G9a (EHMT2)	Radiometric HotSpot™
11 GLP (EHMT1)	Radiometric HotSpot™
12 MLL1 Complex	Radiometric HotSpot™
13 MLL2 Complex	Radiometric HotSpot™
14 MLL3 Complex	Radiometric HotSpot™
15 MLL4 Complex	Radiometric HotSpot™
16 NSD1	Radiometric HotSpot™
17 NSD2	Radiometric HotSpot™
18 NSD2(E1099K)	Radiometric HotSpot™
19 NSD2(T1150A)	Radiometric HotSpot™
20 NSD3	Radiometric HotSpot™
21 PRDM9	Radiometric HotSpot™
22 PRMT1	Radiometric HotSpot™
23 PRMT3	Radiometric HotSpot™
24 PRMT4	Radiometric HotSpot™
25 PRMT5/MEP50	Radiometric HotSpot™
26 PRMT5(C449S)/MEP50	Radiometric HotSpot™
27 PRMT6	Radiometric HotSpot™
28 PRMT7	Radiometric HotSpot™
29 PRMT8	Radiometric HotSpot™
30 SET1B	Radiometric HotSpot™
31 SET7	Radiometric HotSpot™
32 SET8	Radiometric HotSpot™
33 SETD2	Radiometric HotSpot™
34 SETDB1	Radiometric HotSpot™
35 SMYD2	Radiometric HotSpot™
36 SMYD3	Radiometric HotSpot™
37 SUV39H1	Radiometric HotSpot™
38 SUV39H2	Radiometric HotSpot™
39 SUV420H1-tv2	Radiometric HotSpot™
40 COMT *	Flash Plate
41 COMT (V108M) *	Flash Plate
42 METTL3/METTL14 *	Radiometric HotSpot™
43 METTL21A *	Radiometric HotSpot™
44 NRMT1 *	Radiometric HotSpot™

\* Methyltransferase targets not part of the Monthly Full Panel

Demethylase	Assay Format
1 LSD1	AmplexRed
2 KDM4A	HTRF
3 KDM4D	AlphaLISA
4 KDM5A	HTRF
5 KDM5B	HTRF
6 KDM5C	HTRF
7 KDM6B	AlphaLISA

Histone Acetyltransferase	Assay Format
1 CBP (CREBBP)	Radiometric HotSpot™
2 KAT2A (hGCN5)	Radiometric HotSpot™
3 KAT2B (pCAF)	Radiometric HotSpot™
4 KAT5 (TIP60)	Radiometric HotSpot™
5 KAT6A (MYST3)	Radiometric HotSpot™
6 KAT6B (MYST4)	Radiometric HotSpot™
7 KAT7 (MYST2)	Radiometric HotSpot™
8 KAT8 (MYST1)	Radiometric HotSpot™
9 p300 (EP300)	Radiometric HotSpot™

Histone Deacetylase & Sirtuin	Assay Format
1 HDAC1	fluorescence-based
2 HDAC2	fluorescence-based
3 HDAC3	fluorescence-based
4 HDAC4	fluorescence-based
5 HDAC5	fluorescence-based
6 HDAC6	fluorescence-based
7 HDAC7	fluorescence-based
8 HDAC8	fluorescence-based
9 HDAC9	fluorescence-based
10 HDAC10	fluorescence-based
11 HDAC11	fluorescence-based
12 SIRT1	fluorescence-based
13 SIRT2	fluorescence-based
14 SIRT3	fluorescence-based
15 SIRT5	fluorescence-based
16 Nuclear Extract	fluorescence-based

Isocitrate dehydrogenase	Assay Format
1 IDH1 WT	Diaphorase/resazurin-coupled
2 IDH1 G97D	Diaphorase/resazurin-coupled
3 IDH1 R100A	Diaphorase/resazurin-coupled
4 IDH1 R100Q	Diaphorase/resazurin-coupled
5 IDH1 R132C	Diaphorase/resazurin-coupled
6 IDH1 R132H	Diaphorase/resazurin-coupled
7 IDH2 WT	Diaphorase/resazurin-coupled
8 IDH2 Y139D	Diaphorase/resazurin-coupled
9 IDH2 R140K	Diaphorase/resazurin-coupled
10 IDH2 R140Q	Diaphorase/resazurin-coupled
11 IDH2 R172Q	Diaphorase/resazurin-coupled

Bromodomain (Reader Domain)	ThermoShift	AlphaScreen	Others
1 ASH1L-[BRD]-GST	✓		
2 ATAD2-His	✓	✓	
3 ATAD2B-GST	✓		
4 ATAD2B-His	✓	✓	
5 BAZ1A-GST	✓		
6 BAZ1B-His	✓	✓	
7 BAZ2A-GST	✓		
8 BAZ2A-His		✓	
9 BAZ2B-His	✓	✓	
10 BPTF-[BRD]-His	✓	✓	
11 BPTF-[PHD-BRD]-His	✓	✓	
12 BRD1-GST	✓		
13 BRD1-His	✓	✓	
14 BRD2-1-GST	✓		
15 BRD2-1-His	✓	✓	
16 BRD2-2-GST	✓		
17 BRD2-2-His	✓	✓	
18 BRD2-Tndm-His	✓	✓	
19 BRD3-1-GST	✓		
20 BRD3-1-His	✓	✓	
21 BRD3-2-GST	✓		
22 BRD3-2-His	✓	✓	
23 BRD3-Tndm-GST	✓		
24 BRD3-Tndm-His	✓	✓	
25 BRD4 Full length	✓	✓	
26 BRD4-1			SPR
27 BRD4-1-GST	✓		
28 BRD4-1-His	✓	✓	
29 BRD4-2			SPR
30 BRD4-2-GST	✓		
31 BRD4-2-His	✓	✓	
32 BRD4-Tndm-GST	✓		
33 BRD4-Tndm-His	✓	✓	
34 BRD7-GST	✓		
35 BRD9-GST	✓		
36 BRD9-His	✓	✓	
37 BRDT-1-His	✓	✓	
38 BRDT-2-His	✓		
39 BRDT-Tndm-His	✓	✓	
40 BRPF1a	✓		
41 BRPF1b-GST	✓		
42 BRPF1b-His	✓	✓	
43 BRPF3-GST	✓		
44 BRPF3-His	✓	✓	
45 BRWD1-2-GST	✓		
46 BRWD1-2-His	✓	✓	
47 BRWD3-2-GST	✓		
48 CBX7-[CHR]-GST	✓		
49 CDg1-[CHR]-GST	✓		
50 CECR2-GST	✓		
51 CECR2-His	✓	✓	
52 CHD1-[CHR]-GST	✓		
53 CHD1-[CHR]-His	✓		
54 CHD2-[CHR]-GST	✓		
55 CHD2-[CHR]-His	✓		
56 CHD4-[CHR]-GST	✓		
57 CHD4-[PHD-CHR]-GST	✓		
58 CHD7-[CHR]-GST	✓		
59 CREBBP-GST	✓		
60 CREBBP-His	✓	✓	

\* No small molecule control available

Bromodomain (Reader Domain)	ThermoShift	AlphaScreen	Others
61 EED			HTRF
62 EP300-GST	✓		
63 EP300-His	✓		
64 HP1alpha-[CHR]-His	✓		
65 HP1alpha-GST	✓		
66 HP1beta-[CHR]-GST	✓		
67 HP1beta-[CHR]-His	✓	✓*	
68 HP1beta-GST	✓		
69 HP1beta-His	✓	✓*	
70 HP1beta-Strep	✓		
71 HP1gamma-GST	✓		
72 HP1gamma-His	✓		
73 KAT2A	✓		
74 KAT2B	✓		
75 KAT5-2-[CHR]-His	✓		
76 KAT5-3-[CHR]-GST	✓		
77 KAT5-3-[CHR]-His	✓		
78 L3MBTL1	✓		
79 L3MBTL1-His		✓	
80 L3MBTL3-His		✓	
81 MPP8-[CHR]-GST	✓		
82 PB1-1	✓		
83 PB1-2	✓		
84 PB1-3	✓		
85 PB1-4	✓		
86 PB1-5	✓		
87 PB1-6	✓		
88 PHIP-2	✓		
89 PHIP-Tndm	✓		
90 SMARCA2a bromodomain			HTRF
91 SMARCA2a-His	✓		
92 SMARCA2b-His	✓	✓	
93 SMARCA4-His	✓	✓	
94 SP100-GST	✓		
95 SP100-His	✓		
96 SP110c-GST	✓		
97 SP140-GST	✓		
98 SP140-His	✓	✓	
99 SP140L-GST	✓		
100 SP140L-His	✓	✓	
101 TAF1-1-GST	✓		
102 TAF1-2-GST	✓		
103 TAF1-2-His		✓	
104 TAF1L-1	✓		
105 TAF1L-2	✓		
106 TAF1L-Tndm-GST	✓		
107 TRIM24	✓		
108 TRIM28	✓		
109 TRIM33a	✓		
110 TRIM33b-His	✓		
111 TRIM66	✓		
112 UHRF1 Full length	✓		
113 UHRF1-[PHD]	✓		
114 UHRF1-[PHD]-His		✓*	
115 UHRF1-[SRA]	✓		
116 UHRF1-[TDR-PHD]	✓		
117 UHRF1-[TDR-PHD]-His		✓*	
118 UHRF1-[TDR]-His	✓	✓*	
119 UHRF1-His Full length		✓*	
120 YTHDF1			HTRF
121 YTHDF2			HTRF

Protease	Assay Format
1 ACE1	fluorescence-based
2 ACE2	fluorescence-based
3 Activated Protein C	fluorescence-based
4 ADAM10	fluorescence-based
5 BACE 1	fluorescence-based
6 Calpain 1	fluorescence-based
7 Caspase 1	fluorescence-based
8 Caspase 2	fluorescence-based
9 Caspase 3	fluorescence-based
10 Caspase 4	fluorescence-based
11 Caspase 5	fluorescence-based
12 Caspase 6	fluorescence-based
13 Caspase 7	fluorescence-based
14 Caspase 8	fluorescence-based
15 Caspase 9	fluorescence-based
16 Caspase 10	fluorescence-based
17 Caspase 11	fluorescence-based
18 Caspase 14	fluorescence-based
19 Cathepsin B	fluorescence-based
20 Cathepsin C	fluorescence-based
21 Cathepsin D	fluorescence-based
22 Cathepsin E	fluorescence-based
23 Cathepsin G	fluorescence-based
24 Cathepsin H	fluorescence-based
25 Cathepsin K	fluorescence-based
26 Cathepsin L	fluorescence-based
27 Cathepsin S	fluorescence-based
28 Cathepsin V	fluorescence-based
29 Chymase	fluorescence-based
30 Chymotrypsin	fluorescence-based
31 DPP IV	fluorescence-based
32 DPP VIII	fluorescence-based
33 DPP IX	fluorescence-based
34 Elastase	fluorescence-based
35 Factor VIIa	fluorescence-based
36 Factor IXa	fluorescence-based
37 Factor Xa	fluorescence-based
38 Factor XIa	fluorescence-based
39 Factor XIIa	fluorescence-based
40 Furin	fluorescence-based

\* Protease targets not part of the monthly full screening panels

Protease	Assay Format
41 Granzyme B*	fluorescence-based
42 Hepsin*	fluorescence-based
43 HIV-1	fluorescence-based
44 Kallikrein 1	fluorescence-based
45 Kallikrein 2	fluorescence-based
46 Kallikrein 5	fluorescence-based
47 Kallikrein 7	fluorescence-based
48 Kallikrein 12	fluorescence-based
49 Kallikrein 13	fluorescence-based
50 Kallikrein 14	fluorescence-based
51 Matriptase 2	fluorescence-based
52 MMP1	fluorescence-based
53 MMP2	fluorescence-based
54 MMP3	fluorescence-based
55 MMP7	fluorescence-based
56 MMP8	fluorescence-based
57 MMP9	fluorescence-based
58 MMP10	fluorescence-based
59 MMP12	fluorescence-based
60 MMP13	fluorescence-based
61 MMP14	fluorescence-based
62 Nephilysin	fluorescence-based
63 Papain	fluorescence-based
64 Plasma Kallikrein	fluorescence-based
65 Plasmin	fluorescence-based
66 Proteinase A	fluorescence-based
67 Proteinase K	fluorescence-based
68 SARS-CoV-2 Mpro	fluorescence-based
69 SARS-CoV-2 PLpro	fluorescence-based
70 TACE	fluorescence-based
71 Thrombin	fluorescence-based
72 TMPRSS11D	fluorescence-based
73 TMPRSS2	fluorescence-based
74 tPA*	fluorescence-based
75 Trypsin	fluorescence-based
76 Trypsin b2	fluorescence-based
77 Trypsin g1	fluorescence-based
78 Urokinase	fluorescence-based

PARP HotSpot <sup>SM</sup>	Assay Format
1 PARP1	NAD/NADH-Glo™
2 PARP2	NAD/NADH-Glo™
3 PARP5B	NAD/NADH-Glo™

Phosphatase	Assay Format
1 DUSP22/MKPX	fluorescence-based
2 PP1A	fluorescence-based
3 PP1B	fluorescence-based
4 PP2A alpha/PPP2R1A Complex	fluorescence-based
5 PPAC (ACP1/LMW-PTP-A)	fluorescence-based
6 PPAC (ACP1/LMW-PTP-B)*	fluorescence-based
7 PTPN1/PTP1B-CD	fluorescence-based
8 PTPN1/PTP1B-FL*	fluorescence-based
9 PTPN11/SHP2 (E76K)-FL	fluorescence-based
10 PTPN11/SHP2-CD	fluorescence-based
11 PTPN11/SHP2-FL	fluorescence-based
12 PTPN12/PTP-PEST	fluorescence-based
13 PTPN2/TC-PTP	fluorescence-based
14 PTPN6/SHP1	fluorescence-based
15 PTPN7/LC-PTP	fluorescence-based
16 PTPRB	fluorescence-based
17 PTPRC/CD45	fluorescence-based
18 PTPRJ/CD148	fluorescence-based

\* Phosphatase targets not part of the full screening panels

Apoptosis Pathway	Assay Format
1 Bcl-2	HTRF
2 BCL-xL	HTRF, SPR
3 cIAP-1	Fluorescence Polarization
4 cIAP-2	Fluorescence Polarization
5 MCL1	HTRF
6 XIAP	Fluorescence Polarization

Carboxylase	Assay Format
1 ACC1	ADP-Glo™
2 ACC2	ADP-Glo™

NAD(P)H Dehydrogenase (NQO)	Assay Format
1 NQO1	fluorescence-based

Nucleotide Metabolism Pathway	Assay Format
1 DHODH	fluorescence-based
2 dDHODH (dog)	fluorescence-based
3 mDHODH (mouse)	fluorescence-based
4 rDHODH (rat)	fluorescence-based

Phosphodiesterase (PDE)	Assay Format
1 PDE1A	fluorescence polarization (FP)
2 PDE1B	fluorescence polarization (FP)
3 PDE1C	fluorescence polarization (FP)
4 PDE2A	fluorescence polarization (FP)
5 PDE3A	fluorescence polarization (FP)
6 PDE3B	fluorescence polarization (FP)
7 PDE4A	fluorescence polarization (FP)
8 PDE4B	fluorescence polarization (FP)
9 PDE4C	fluorescence polarization (FP)
10 PDE4D	fluorescence polarization (FP)
11 PDE4D2	fluorescence polarization (FP)
12 PDE5A	fluorescence polarization (FP)
13 PDE7A	fluorescence polarization (FP)
14 PDE7B	fluorescence polarization (FP)
15 PDE8A	fluorescence polarization (FP)
16 PDE9A	fluorescence polarization (FP)
17 PDE10A	fluorescence polarization (FP)

Proteasome and deubiquitinase (DUB)	Assay Format
1 20S Proteasome	fluorescence-based
2 A20	fluorescence-based
3 Ataxin3	fluorescence-based
4 BAP1	fluorescence-based
5 MYSM1	fluorescence-based
6 NEDP1	fluorescence-based
7 SENP1	fluorescence-based
8 SENP2	fluorescence-based
9 UCHL1	fluorescence-based
10 UCHL3	fluorescence-based
11 USP2	fluorescence-based
12 USP4	fluorescence-based
13 USP5	fluorescence-based
14 USP7	fluorescence-based
15 USP8	fluorescence-based
16 USP10	fluorescence-based
17 USP11	fluorescence-based
18 USP13	fluorescence-based
19 USP14	fluorescence-based
20 USP20	fluorescence-based
21 USP25	fluorescence-based
22 USP28	fluorescence-based
23 USP30	fluorescence-based

Heat Shock Protein	Assay Format
1 HSP90a	fluorescence polarization (FP)
2 HSP90b	fluorescence polarization (FP)

Replication-related	Assay Format
1 MTH1 (NUDT1)	PPILight™
2 MTHFD1	fluorescence-based
3 MTHFD2	fluorescence-based