

Figure 1

B

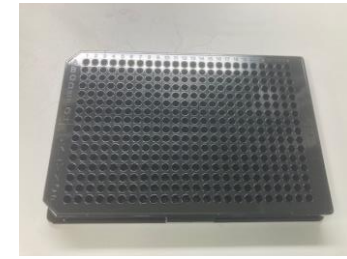
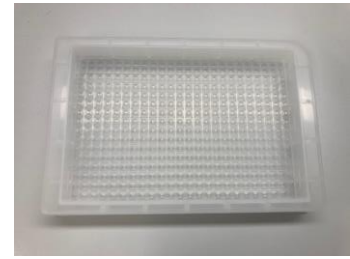
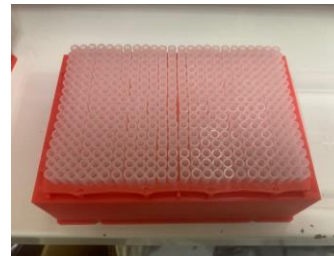


Plate for assay and container for 2x biofluorescent reaction solution



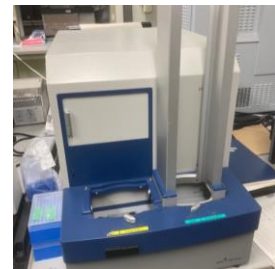
Container for enzyme reaction mixture



Disposable tips for Robot arm



Robot arm



Microplate reader

A

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A			1	17	33	49	65	81	97	113	129	145	161	177	193	209	225	241	257	273	289	305		
B			2	18	34	50	66	82	98	114	130	146	162	178	194	210	226	242	258	274	290	306		
C			3	19	35	51	67	83	99	115	131	147	163	179	195	211	227	243	259	275	291	307		
D			4	20	36	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308		
E			5	21	37	53	69	85	101	117	133	149	165	181	197	213	229	245	261	277	293	309		
F			6	22	38	54	70	86	102	118	134	150	166	182	198	214	230	246	262	278	294	310		
G			7	23	39	55	71	87	103	119	135	151	167	183	199	215	231	247	263	279	295	311		
H			8	24	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312		
I			9	25	41	57	73	89	105	121	137	153	169	185	201	217	233	249	265	281	297	313		
J			10	26	42	58	74	90	106	122	138	154	170	186	202	218	234	250	266	282	298	314		
K			11	27	43	59	75	91	107	123	139	155	171	187	203	219	235	251	267	283	299	315		
L			12	28	44	60	76	92	108	124	140	156	172	188	204	220	236	252	268	284	300	316		
M			13	29	45	61	77	93	109	125	141	157	173	189	205	221	237	253	269	285	301	317		
N			14	30	46	62	78	94	110	126	142	158	174	190	206	222	238	254	270	286	302	318		
O			15	31	47	63	79	95	111	127	143	159	175	191	207	223	239	255	271	287	303	319		
P			16	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320		



Test samples



Positive control (DMSO and enzyme)



Negative control (DMSO and PBS)



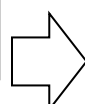
Blank

C

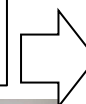
Prepared 2x biofluorescent reaction solution and re-aliquoted 320 wells



Test compounds were put onto assay plate from mother plate by robot arm



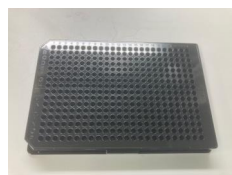
Simultaneously injected enzyme reaction mixture to every wells except for negative control



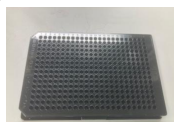
Put the assay plate in the incubator at 37 degrees for 10 min



Simultaneously injected 2x biofluorescent reaction solution to every wells and then, started measuring every min for 1 h



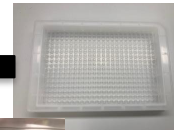
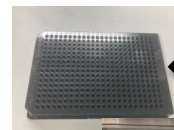
Add 2x reaction to each well



Add each Compound onto another plate



Mother plate containing compounds



Container filled with 50 mL of enzyme reaction mixture



Prepared plate containing 2x reaction solution

Mix 2x reaction solution to the assay plate

