

Example of dataset generation from iLab sample list

Sample Number	Unique Sample Name	Protein Extraction Needed	Volume (uL)	Concentration (ug/uL)	4X SDS + 2-Me Added	Sample Origin	Number of Datasets
1	Cell Line A control1	No	100	1.2	Yes	Human cell line	1,2
2	Cell Line A control2	No	100	1.2	Yes	Human cell line	1,2
3	Cell Line A treatment X1	No	100	1.2	Yes	Human cell line	1,2
4	Cell Line A treatment X2	No	100	1.2	Yes	Human cell line	1,2
5	Cell Line A treatment Y1	No	100	1.2	Yes	Human cell line	1,2
6	Cell Line A treatment Y2	No	100	1.2	Yes	Human cell line	1,2
7	Cell Line B control1	No	100	1.2	Yes	Human cell line	1,3
8	Cell Line B control2	No	100	1.2	Yes	Human cell line	1,3
9	Cell Line B treatment X1	No	100	1.2	Yes	Human cell line	1,3
10	Cell Line B treatment X2	No	100	1.2	Yes	Human cell line	1,3
11	Cell Line B treatment Y1	No	100	1.2	Yes	Human cell line	1,3
12	Cell Line B treatment Y2	No	100	1.2	Yes	Human cell line	1,3
13	Tissue control1	No	100	1.2	Yes	Xenograft	1,4
14	Tissue control2	No	100	1.2	Yes	Xenograft	1,4
15	Tissue treatment X1	No	100	1.2	Yes	Xenograft	1,4
16	Tissue treatment X2	No	100	1.2	Yes	Xenograft	1,4
17	Tissue treatment Y1	No	100	1.2	Yes	Xenograft	1,4
18	Tissue treatment Y2	No	100	1.2	Yes	Xenograft	1,4

Datasets produced

- Dataset 1: samples 1-18 (All samples)
- Dataset 2: samples 1-6 (Cell Line A only)
- Dataset 3: samples 7-12 (Cell Line B only)
- Dataset 4: samples 13-18 (Xenograft only)