

Genomic DNA Prep and Deconvolution of CRISPR/Cas9, shRNA, and ORF Pools

Deconvolution Sample Submission Worksheet

Please use the table on reverse side to guide your deconvolution discussions with your representative.

Customer Name: _____ Customer Phone: _____
 Account Name: _____ Customer Email: _____
 Account Address: _____ PO #: _____

Submission Guidelines

We accept projects for research applications only. We do not accept human subject identifiable information associated with any samples. We are accepting shRNA, ORF, and CRISPR based pools at this time. We are not liable for samples. All samples become our property upon receipt. We highly recommend archiving backup samples.

Sample Submission Criteria

1. Cells

- For each sample, we recommend a minimum of 500 cells per clone for gRNA and ORF libraries and 1000 cells per clone for shRNA libraries sent in a secured tube.

2. Genomic DNA (gDNA)

- For each pooled genomic DNA sample we require at least 1.5 ng per clone.

Formula:

total gDNA = #clones x 1.5 ng/#clones
 e.g. for a pool with 10,000 clones, the minimum amount of gDNA is $10,000 \times 1.5 \text{ ng} = 15 \mu\text{g}$

- #### 3. Clearly label sample tubes with unique sample names matching those provided on this sample submission form. Identify any biological replicates.

4. U.S. shipments: Please pack samples in an appropriate container with enough dry ice for a 2-day shipment.

International Shipments: Please send a pre-shipment alert to ensure customs clearance. This can be accomplished by sending a copy of the invoice, packing slip, air waybill (AWB) or tracking number to importinfo@milliporesigma.com. Samples should be packed in an appropriate container with enough dry ice for a 7-10 day shipment.

Submit samples to:

MilliporeSigma
Attn: MISSION® Operations
Deconvolution Submission
3050 Spruce Street
St. Louis, MO 63103

To avoid having your samples delayed in customs, please indicate that the box contains non-hazardous biological material. If sending cell pellets, you should also indicate that cell pellets do not contain cell culture media.

5. Submit an electronic copy of information referencing the content of your original pool to missionnai@milliporesigma.com or to your representative in one of the following formats:

- Send the filled out Reference Clone List (see reverse side)
- If applicable, provide the product pool name (i.e. Human LentiPlex® Pool 1)

For custom sequences, send a list of unique clone names, along with their associated reference sequence

Note: To ensure safe arrival of samples, please limit shipments to Monday through Wednesday for U.S. customers.



Project Details

Price includes:

- Genomic DNA extraction or gDNA QC if submitting gDNA
- Data with number of sequencing reads per clone per sample*
- Contact missionrnai@milliporesigma.com for quote information

Upon project completion, we will provide the sequence data via electronic copy and on a USB drive.

Estimated turnaround time is 3 to 6 weeks.†

Reference Clone List

Sample Designations: (As defined in Sample Submission Criteria)	Sample Type	Designate Biological Replicates	# of cells	DNA Concentration (µg/µL)	DNA Volume (µL)	Pool Name	# of gRNAs or shRNAs in Pool
Example: 013112Sig001	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells	replicate A	8,000,000			LentiPlex® SHPH01, Pool 1	8,000
1.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
2.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
3.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
4.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
5.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
6.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
7.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
8.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
9.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
10.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
11.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
12.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
13.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
14.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
15.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
16.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
17.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
18.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
19.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
20.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
21.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
22.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
23.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
24.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
25.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
26.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
27.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
28.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
29.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
30.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
31.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
32.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
33.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
34.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
35.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
36.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
37.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
38.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
39.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
40.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						

Sample Designations: (As defined in Sample Submission Criteria)	Sample Type	Designate Biological Replicates	# of cells	DNA Concentration ($\mu\text{g}/\mu\text{L}$)	DNA Volume (μL)	Pool Name	# of gRNAs or shRNAs in Pool
41.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
42.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
43.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
44.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
45.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
46.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
47.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
48.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
49.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
50.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
51.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
52.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
53.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
54.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
55.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
56.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
57.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
58.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
59.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
60.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
61.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
62.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
63.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
64.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
65.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
66.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
67.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
68.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
69.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
70.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
71.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
72.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
73.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
74.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
75.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
76.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
77.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
78.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
79.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
80.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
81.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
82.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
83.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
84.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
85.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
86.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
87.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
88.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
89.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
90.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
91.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
92.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
93.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						

Sample Designations: (As defined in Sample Submission Criteria)	Sample Type	Designate Biological Replicates	# of cells	DNA Concentration (µg/µL)	DNA Volume (µL)	Pool Name	# of gRNAs or shRNAs in Pool
94.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
95.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
96.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
97.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
98.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
99.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
100.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
101.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
102.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
103.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
104.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
105.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
106.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
107.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
108.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
109.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
110.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
111.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
112.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
113.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
114.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
115.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
116.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
117.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
118.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
119.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
120.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
121.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
122.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
123.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						
124.	<input type="checkbox"/> gDNA <input type="checkbox"/> Cells						

Infectious agents, other than lentivirus, have been used on these samples. Yes No

Please provide an accurate reference clone list including any added controls and lot numbers. We require annotated GenBank (.gb) vector maps for pools made with external vectors.

If the number of samples exceeds the space on this form, please send the entire list in a separate document.

* Note: Because of the inherent variability in the sequencing process, the # of reads or data per sample may vary +/- 10% as quoted.

† Turnaround time starts on the date when (1) sufficient sample quality (QC) is established, (2) order is received, and (3) a complete and accurate sample submission sheet is provided uniquely identifying all samples and replicates. For projects requiring DNA extraction, turnaround time starts after the extraction stage.

For more information and to order, visit SigmaAldrich.com/deconvolution

Order/Customer Service: SigmaAldrich.com/order
 Technical Service: SigmaAldrich.com/techservice
 Safety-related Information: SigmaAldrich.com/safetycenter

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SigmaAldrich.com

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