Sigma-Aldrich®
Lab & Production Materials

MilliporeSigma

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: ______________________________
Account Name: ______________________________
Account Address: ______________________________
Customer Phone: ______________________________
Customer Email: ______________________________
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 x 1.5 ng = 15 µg
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 **missionrnai@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.

MilliporeSigma is the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany.

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	□gDNA □Cells	replicate A	8,000,000			LentiPlex® SHPH01, Pool 1	8,000
1. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
2. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
3. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
4. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
5. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
6. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
7. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
8. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
9. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
10. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
11. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
12. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
13. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
14. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
15. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
16. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
17. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
18. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
19. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
20. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
21. XX	□gDNA ☑Cells	XX	XX	XX	XX	XX	XX
22. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
23. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
24. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
25. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
26. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
27. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
28. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
29. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
30. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
31. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
32. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
33. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
34. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
35. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
36. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
37. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
38. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
39. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX
40. XX	□gDNA □Cells	XX	XX	XX	XX	XX	XX

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
41. XX	☐ gDNA ☑ Cells	XX	XX	XX	XX	XX	XX
42. XX	☐ gDNA ☑ Cells	XX	XX	XX	XX	XX	XX
43. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
44. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
45. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
46. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
47. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
48. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
49. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
50. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
51. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
52. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
53. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
54. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
55. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
56. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
57. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
58. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
59. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
60. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
61. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
62. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
63. XX	☐ gDNA ☑ Cells	XX	XX	XX	XX	XX	XX
64. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
65. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
66. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
67. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
68. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
69. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
70. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
71. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
72. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
73. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
74. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
75. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
76. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
77. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
78. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
79. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
80. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
81. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
82. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
83. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
84. XX	☐ gDNA ☑ Cells	XX	XX	XX	XX	XX	XX
85. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
86. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
87. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
88. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
89. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
90. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
91. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
92. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
93. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX

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. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
95. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
96. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
97. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
98. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
99. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
100. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
101. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
102. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
103. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
104. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
105. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
106. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
107. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
108. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
109. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
110. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
111. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
112. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
113. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
114. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
115. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
116. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
117. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
118. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
119. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
120. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
121. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
122. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
123. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX
124. XX	☐ gDNA ☐ Cells	XX	XX	XX	XX	XX	XX

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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