

PCR Index/adaptor combinations for DNA+Protein

During Target Library PCR the P5 and P7 adaptor (Illumina) sequences are added to the amplicons required for sequencing. Each V2 Index Primer tube includes two unique index primers pre-pooled. Use the following index combination when indexing your DNA + Protein libraries.

In the DNA+Protein workflow each sample needs two indexes/adaptor combinations, one for DNA and one for Protein.

Use the following V2 index primer combinations when indexing your DNA + Protein for **one sample**.

	DNA	1	2	3	4	5	6	7	8
Protein									
1					X		X		
2				X	X		X	X	X
3			X		X				X
4		X	X	X			X		
5							X		X
6						X			
7		X	X				X		
8			X	X		X		X	

Table 1. Recommended index combinations for one DNA/Protein sample.

# of Samples	Option 1	Option 2	Option 3	Option 4	Option 5
1	4+1 (DNA+Protein)	3+2	6+5	8+3	7+2
2	1+2 and 3+4	2+3 and 4+8	2+5 and 3+8	2+6 and 5+8	2+4 and 8+6
3	1+2 and 3+4 and 6+7	2+3 and 4+8 and 1+6	2+5 and 3+8 and 6+7	2+6 and 5+8 and 1+7	2+4 and 8+6 and 1+5
4	1+2 and 3+4 and 6+7 and 5+8	2+3 and 4+8 and 1+6 and 5+7	2+5 and 3+8 and 6+7 and 1+4	2+6 and 5+8 and 1+7 and 3+4	2+4 and 8+6 and 1+5 and 3+7

Table 2. Recommended index combinations for up to four samples, **blue** = DNA library indices, **black** = Protein library indices