

HIVE v1 Index Plate

HIVE v1 CDI Illumina plate is a combination of 8 i7 (Index1) primers row-wise and 12 i5 (Index2) primers column-wise.

Illumina kit size: <https://sapac.support.illumina.com/bulletins/2016/10/how-many-cycles-of-sbs-chemistry-are-in-my-kit.html>

scRNAseq libraries constructed using HIVE v1 CDI Plate must be sequenced with HCB HIVE v1 sequencing primers.

Sequencing kit compatibility table

Sequencer	Sequencing kit	Compatibility	Sequencing primers	Cycle Configuration	Note	
NextSeq 500/550	HO 75-cycle	Compatible	HCB HIVE v1 custom sequencing primers	Read1 25 cycles; Index1 8 cycles; Index2 8 cycles; Read2 ≥ 50 . Recommend placing excess cycles in Read2 (transcript read)		
	all other kits	Not tested but likely compatible				
NovaSeq	SP 100-cycle, S2 100-cycle	Compatible				
	all other kits	Not tested but likely compatible				
NextSeq 2000	kits ≥ 75 -cycle	Compatible				

