Archer™ MBC Adapters Set B for Illumina® Platform

PI-AK0016-48

Product Description

The Archer Molecular Barcode (MBC) Adapters are used in conjunction with the Archer FusionPlex™ or VariantPlex™ kits in order to create target-enriched libraries for next-generation sequencing on the MiSeq® and NextSeq® platforms.

Archer Illumina assays utilize dual-index barcoding to distinguish between samples. The first index is added just before Adapter Ligation and is embedded in the Archer MBC Adapters. The second index is added in Second PCR and is embedded in the Illumina Index 1 Primers within the Second PCR reaction.

In addition to this index, Archer MBC Adapters contain molecular barcodes – unique nucleotide sequences that can be used to differentiate individual nucleic acid molecules in a sample. Using Archer Analysis, individual MBCs in a sequencing reaction can be identified and the reads de-duplicated. MBCs can also be used to correct for late-cycle PCR artifacts or sequencing errors, enabling high-confidence calling of gene fusions, SNPs and other mutations.

For Research Use Only. *Not for use in diagnostic procedures.*

Kit Contents

Part #	Name	Quantity	Storage Conditions
SA0046	Barcode Adapters B1-B8 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC
SA0047	Barcode Adapters B9-B16 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC
SA0048	Barcode Adapters B17-B24 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC
SA0049	Barcode Adapters B25-B32 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC
SA0050	Barcode Adapters B33-B40 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC
SA0051	Barcode Adapters B41-B48 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC

Additional Information

	MBC Adapter	Index
Illumina Barcode Adapters B1 - B8 (SA0046)	Illumina_RBC2_BC1	AGCATTCC
	Illumina_RBC2_BC2	GGCTTGTT
	Illumina_RBC2_BC3	TTGGACAC
	Illumina_RBC2_BC4	GTTGATCG
	Illumina_RBC2_BC5	TCACTACG
	Illumina_RBC2_BC6	GTGGAGAA
	Illumina_RBC2_BC7	TAGTGCTG
	Illumina_RBC2_BC8	GCACACAA

	MBC Adapter	Index
Illumina Barcode Adapters B9 - B16 (SA0047)	Illumina_RBC2_BC9	AACCTGGT
	Illumina_RBC2_BC10	TCAGGTGT
	Illumina_RBC2_BC11	TACCATGG
	Illumina_RBC2_BC12	CTATGCTG
	Illumina_RBC2_BC13	CTGCCATA
	Illumina_RBC2_BC14	TGGACGAT
	Illumina_RBC2_BC15	CACACACA
	Illumina_RBC2_BC16	GTTACCAC

	MBC Adapter	Index
Illumina Barcode Adapters B17 - B24 (SA0048)	Illumina_RBC2_BC17	CATTCTCC
	Illumina_RBC2_BC18	AGGTGTAG
	Illumina_RBC2_BC19	ACTCTACG
	Illumina_RBC2_BC20	GTGTATGC
	Illumina_RBC2_BC21	GTTCAGCT
	Illumina_RBC2_BC22	ATAGCCTC
	Illumina_RBC2_BC23	TGCTTCCT
	Illumina_RBC2_BC24	TGCTGATC

	MBC Adapter	Index
Illumina Barcode Adapters B25 - B32 (SA0049)	Illumina_RBC2_BC25	TAGAGGTC
	Illumina_RBC2_BC26	CGATTACG
	Illumina_RBC2_BC27	TCTACCTG
	Illumina_RBC2_BC28	ACCTATCC
	Illumina_RBC2_BC29	CACTAGGA
	Illumina_RBC2_BC30	CCTTAGAG
	Illumina_RBC2_BC31	CTCCTACA
	Illumina_RBC2_BC32	CGTGTATC

	MBC Adapter	Index
Illumina Barcode Adapters B33 - B40 (SA0050)	Illumina_RBC2_BC33	TGCCATCA
	Illumina_RBC2_BC34	TCGAGACA
	Illumina_RBC2_BC35	GTCAGGTA
	Illumina_RBC2_BC36	CTCTCAGT
	Illumina_RBC2_BC37	TACTTCGG
	Illumina_RBC2_BC38	GTATCCTG
	Illumina_RBC2_BC39	ACGCAGAT
	Illumina_RBC2_BC40	GGTCATTC

	MBC Adapter	Index
Illumina Barcode Adapters B41 - B48 (SA0051)	Illumina_RBC2_BC41	GGTACACT
	Illumina_RBC2_BC42	GCAGACTT
	Illumina_RBC2_BC43	GTCTAACC
	Illumina_RBC2_BC44	CTCATGAC
	Illumina_RBC2_BC45	ACAAGCTG
	Illumina_RBC2_BC46	TAGGTACC
	Illumina_RBC2_BC47	CAGTGTTC
	Illumina_RBC2_BC48	CTGACAAC

Limitations of Use

For Research Use Only. Not for use in diagnostic procedures.

This product was developed, manufactured, and sold for in vitro use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.

For more information please visit http://www.archerdx.com

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