Archer™ MBC Adapters A33 - A40 for Illumina® Platform

PI-SA0044

Product Description

The Archer Molecular Barcode (MBC) Adapters are used in conjunction with the Archer FusionPlex™ or Vari-antPlex™ 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
SA0044	Barcode Adapters A33 - A40 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2ºC to 8ºC

Additional Information

	MBC Adapter	Index
Illumina Barcode Adapters A33 - A40 (SA0044)	Illumina_RBC1_BC33	CCAACGAA
	Illumina_RBC1_BC34	CTCATTGG
	Illumina_RBC1_BC35	CCTCAGAA
	Illumina_RBC1_BC36	GGATTGAG
	Illumina_RBC1_BC37	CCACTTGT
	Illumina_RBC1_BC38	TATGACGG
	Illumina_RBC1_BC39	CTTCCGTT
	Illumina_RBC1_BC40	GGTTACAC

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

ArcherDX, Inc.
2477 55th Street, Suite 202
Boulder, CO 80301
303-357-9001
www.archerdx.com