

## Archer™ MBC Adapters A1 - A8 for Illumina® Platform

PI-SA0040

### 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
SA0040	Barcode Adapters A1 - A8 for Illumina Platform	Barcoded adapters with a total of 8 different index sequences	2°C to 8°C

### Additional Information

	MBC Adapter	Index
Illumina Barcode Adapters A1 - A8 (SA0040)	Illumina_RBC1_BC1	ATCCGTAC
	Illumina_RBC1_BC2	GTTCACAG
	Illumina_RBC1_BC3	TGCTACGA
	Illumina_RBC1_BC4	AGACTCAC
	Illumina_RBC1_BC5	ATCCAAGC
	Illumina_RBC1_BC6	CGCATTCA
	Illumina_RBC1_BC7	ATGACACG
	Illumina_RBC1_BC8	AACTACGG



## 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.

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



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