

## MBC Adapters 1-8 for Ion Torrent™

**Part # SA0363**

### Description

The Archer® Molecular Barcode (MBC) Adapters for Ion Torrent are used in conjunction with FusionPlex® and Reveal ctDNA™ assays to produce target-enriched libraries for next generation sequencing (NGS) using Ion Torrent instruments.

Archer MBC Adapters contain molecular barcodes – unique nucleotide sequences that can be used to differentiate individual nucleic acid molecules within a single sample. Using Archer Analysis, the bioinformatics software suite included with all Archer assays, every MBC in a sequencing run can be identified and the corresponding reads de-duplicated to an original unique molecule from the extracted nucleic acid of the sample. As part of de-duplication, MBCs can also be used to correct for PCR artifacts or sequencing errors, enabling high-confidence calling of gene fusions, SNVs and other mutations.

### Contents

Description	Part Number	Storage Conditions
Archer® MBC Adapters 1-8 for Ion Torrent™	SA0363	2°C to 8°C

### Adapter Sequences:

Part Number	MBC Adapter	Index Sequence
SA0363	1	CTAAGGTAAC
	2	TAAGGAGAAC
	3	AAGAGGATTC
	4	TACCAAGATC
	5	CAGAAGGAAC
	6	CTGCAAGTTC
	7	TTCGTGATTC
	8	TTCCGATAAC

### Associated Protocols:

Document Control Number	Description
LA250	Archer® FusionPlex® Protocol for Ion Torrent™
LA565	Archer® Reveal ctDNA™ Protocol for Ion Torrent™

## Limitations of Use

**For Research Use Only.** Not for use for use in diagnostic procedures. Not intended to be used for treatment of human or animal diseases.

Safety data sheets pertaining to this product are available upon request.

© 2017 ArcherDX, Inc. All rights reserved. Reveal ctDNA<sup>™</sup>, VariantPlex<sup>®</sup>, PreSeq<sup>®</sup>, Archer<sup>®</sup> and FusionPlex<sup>®</sup> are trademarks of ArcherDX, Inc. Illumina<sup>®</sup>, NextSeq<sup>®</sup> and MiSeq<sup>®</sup> are registered trademarks of Illumina, Inc. Agencourt<sup>®</sup>, AMPure<sup>®</sup> and FormaPure<sup>®</sup> are registered trademarks of Agencourt Biosciences Corporation, a Beckman Coulter company. SYBR<sup>®</sup>, Life Technologies<sup>™</sup>, DynaMag<sup>™</sup>, Thermo Scientific<sup>™</sup>, Ion Torrent<sup>™</sup>, Qubit<sup>™</sup> and Maxima<sup>™</sup> are registered trademarks of Thermo Fisher Scientific, Inc. KAPA Biosystems<sup>®</sup> is a registered trademark of KAPA Biosystems, Inc. RNase Away<sup>™</sup> is a registered trademark of Molecular Bio-Products, Inc. BioRad<sup>®</sup>, iTaq<sup>™</sup>, and SsoAdvanced<sup>™</sup> are registered trademarks of Bio-Rad Laboratories, Inc. Qiagen<sup>®</sup> and QuantiTect<sup>®</sup> are registered trademarks of Qiagen, Inc.

### ArcherDX, Inc.

2477 55th Street, Suite 202

Boulder, CO 80301

303-357-9001

<http://www.archerdx.com>