

## Archer® SureShot™ Negative Fusion Control - RNA

Part # SK0110

### Description

Archer SureShot™ Negative RNA Fusion Control is extracted from a cell line verified to be free of fusion transcripts involving ALK, RET, or ROS1. To represent tissue biopsy samples, total nucleic acid (TNA) is pre-extracted from formalin-fixed, paraffin-embedded (FFPE) cells and diluted to a uniform concentration of 10ng/uL. This material is intended to be used as a control in relevant Archer FusionPlex® panels targeting ALK, RET, or ROS1 fusions.

For best RNA stability, avoid freeze/thaw cycles.

### Contents

Description	Part Number	Storage Conditions
Archer® SureShot™ Negative Fusion Control - RNA (10ng/uL)	SA0220	-75°C ± 10°C

### Expected Fusions

Gene	Accession	Expected Fusion	Direction	Assay Type
N/A	N/A	N/A	N/A	N/A

### Archer Analysis Settings

Sequencing data produced by this method must be converted to de-multiplexed FASTQ files, and then processed using [Archer Analysis](#) (v4.1 or greater). The Archer® SureShot™ Negative Fusion Control requires selection of the **RNA Fusion** pipeline, found under the RNA Analysis Type in Archer Analysis. This provides all secondary analysis (read trimming/cleaning, de-duplication, error correction, alignment, and mutation calling), as well as some tertiary analysis (e.g., annotations and protein effect predictions).

The Archer Analysis software is available as a separate download, which can be requested via a webform on the product webpage: [Archer Analysis](#).

## Limitations of Use

**For Research Use Only.** Not 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. VariantPlex®, PreSeq®, SureShot™, Archer® and FusionPlex® are trademarks of ArcherDX, Inc. Illumina®, NextSeq® and MiSeq® are registered trademarks of Illumina, Inc. Agencourt®, AMPure® and Formapure® are registered trademarks of Agencourt Biosciences Corporation, a Beckman Coulter company. SYBR®, Life Technologies™, DynaMag™, Thermo Scientific™, Qubit™ and Maxima™ are registered trademarks of Thermo Fisher Scientific, Inc. KAPA Biosystems® is a registered trademark of KAPA Biosystems, Inc. RNase Away™ is a registered trademark of Molecular Bio-Products, Inc. BioRad®, iTaq™, and SsoAdvanced™ are registered trademarks of Bio-Rad Laboratories, Inc. Qiagen® and QuantiTect® are registered trademarks of Qiagen, Inc.

### ArcherDX, Inc.

2477 55th Street, Suite 202

Boulder, CO 80301

303-357-9001

<http://www.archerdx.com>