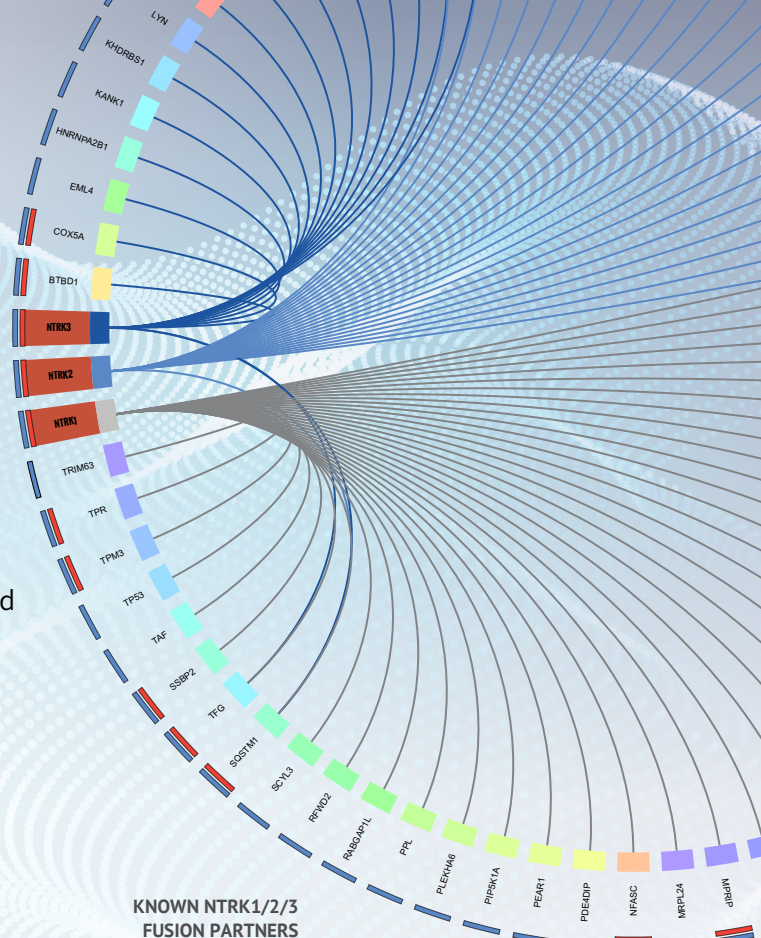# Next-Gen NTRK Fusion Detection

NTRK fusions are critical events in cancer biology with known and unknown fusion partners that are notoriously difficult to detect.

Archer FusionPlex® NGS assays provide sensitive NTRK fusion detection without prior knowledge of fusion partners.
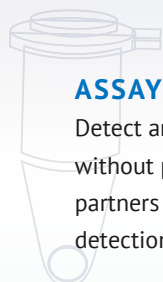

KNOWN NTRK1/2/3 FUSION PARTNERS

NGS Library Preparation Methods For Fusion Detection

	RNA-based amplicon	DNA-based hybrid capture	RNA-based hybrid capture	FusionPlex® assay (RNA)
LOW INPUT REQUIREMENT	✔	●	●	✔
RECURRENT FUSION DETECTION	✔	✔	✔	✔
NOVEL FUSION DETECTION	✖	●	✔	✔
SENSITIVITY	✖	✖	✔	✔
SIMPLE WORKFLOW	✔	✖	✖	✔
RAPID TURNAROUND TIME	✔	✖	✖	✔
LOW COST TO ADOPT	✔	✖	✖	✔
CUSTOMIZABLE	●	●	✖	✔

APM061.1

ARCHER®

RNA-based, low-input, FFPE-compatible next-generation sequencing library preparation products and analysis software with the following features:

ASSAYS

Detect and identify gene fusions without prior knowledge of fusion partners by using patented fusion detection technology.

WORKFLOW

Minimize turnaround time with our simple lyophilized reagent workflow, optimized for high-volume labs. The streamlined workflow reduces chances of contamination and error in library preparation.

ANALYSIS

Be confident in your results by using the comprehensive Archer Analysis. A simple user interface provides in-line visualization and clear reporting. Analysis also allows for third party integration and deploys securely to the cloud or on a local server.

NTRK CONTAINING
FusionPlex Panels

Panel	reads	genes
Oncology Research	3M reads	75 genes
Solid Tumor	3M reads	53 genes
Thyroid & Lung	1.5M reads	36 genes
Lung	0.5M reads	14 genes

Build your own	4-5 weeks

ARCHER®
Assay Designer

Create a custom assay or add to an existing panel with Archer Assay Designer

GET STARTED WITH **FusionPlex NGS Assays**

CONTACT YOUR ARCHER REPRESENTATIVE TODAY

Ask about our starter packages and
wet lab training by Archer field scientists.

Learn more at www.archerdx.com