

Archer™ Anchored Multiplex PCR (AMP™) Technology

Unlock deeper insights with a flexible approach to targeted sequencing



Maximizes data from limited or degraded samples



Enables discovery without prior knowledge of fusion partners



Streamlines workflows for faster turn-around-time



Adapts to your research needs

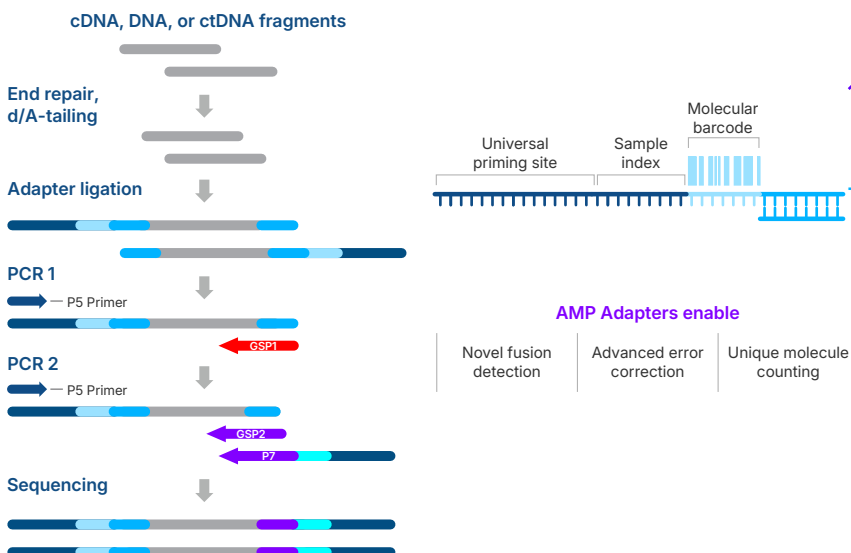
Technology overview

Why AMP Technology Matters

Archer AMP technology, brought to you by Integrated DNA Technologies (IDT), revolutionizes targeted sequencing by using multiple “anchored” gene-specific primers paired with a single universal primer. This anchored design enables rapid panel customization and was purpose-built to detect known and novel gene fusions, which is a critical advantage in cancer research where genomic rearrangements are common and unpredictable.

AMP is optimized for low-quality, low-input mass nucleic acid (TNA/RNA/DNA), making it especially powerful for clinical research samples such as FFPE tissue, cytology specimens, or liquid biopsies and the streamlined workflow steps run in parallel regardless of the input type.

Whether you’re profiling solid tumors, hematologic malignancies, or inherited variants, AMP technology empowers your lab to go from sample to insight with confidence while delivering robust, reproducible results that accelerate discovery and research decision-making.



Anchored Multiplex PCR (AMP) Chemistry: The Power Behind Archer Assay Solutions.

This visual illustrates the AMP workflow highlighting the use of molecular barcode adapters, ligated prior to PCR, to enable novel fusion detection, advanced error correction, and unique molecule counting for confident insights from challenging samples

For more information, visit idtdna.com/AMPTech



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