



# Mimix™ cell line-derived reference standards selection guide.

Bring consistency and confidence to your workflow using our reference standards and recommended assays.

## Controls for end-to-end workflows

- Whole process control: assess the quality of your workflow from start to finish
- DNA extraction control: monitor sample DNA/RNA quality and yield
- Assay control: optimize your assay conditions with known variants
- Bioinformatic control: support the analysis of assays

## Analysis technique

- Controls for sequencing and amplification-based technologies
- Next Generation Sequencing (NGS): optimize and verify new or existing NGS workflows; analyze assay sensitivity and specificity
- Large panel NGS: streamline your workflow with controls that reduce the need for multiple reference standards; analyze genomic content as well as structural content
- Sanger Sequencing: be confident about the oncology mutations in single plexes with multiple mutation types

## Format

- Our reference standards are cell line-derived to closely mimic patient samples
- Allele frequencies to cover a range of oncology mutation rates
- A range of formats to suit almost any workflow



	FFPE (DNA or RNA)	gDNA	cfDNA in buffer	cfDNA in synthetic matrix	fcDNA
<b>Format</b>	FFPE curl/block	Tris buffer	Tris buffer	Synthetic matrix	Tris buffer
<b>Tumor biopsy</b>	✓	✓	✓	✓	✓
<b>Liquid biopsy</b>			✓	✓	
<b>Single plex</b>	✓	✓			
<b>Multiplex</b>	✓	✓	✓	✓	✓
<b>Sanger sequencing</b>	✓ single plexes	✓ single plexes			
<b>PCR/qPCR/ddPCR based assays</b>	✓	✓	✓	✓	✓
<b>NGS (WES/WGS)</b>	✓	✓	✓	✓	✓
<b>NGS large panel</b>	✓ OncoSpan™, Structural Multiplex, Quantitative Multiplex	✓ OncoSpan, Tru-Q, Myeloid, Structural Multiplex, Quantitative Multiplex	✓ Structural Multiplex	✓ Multiplex I	✓ Quantitative Multiplex fcDNA
<b>Fusions</b>	✓ 3-Fusion, 6-Fusion, Structural Multiplex)	✓ Structural Multiplex	✓ Structural Multiplex		
<b>Exome data available</b>	✓	✓	✓		
<b>Standards for different parts of the workflow</b>	Whole process control, DNA extraction control, assay control, bioinformatic control	gDNA QC control, assay control, bioinformatic control	cfDNA QC control, assay control, bioinformatic control	Whole process control, cfDNA extraction control, assay control, bioinformatic control	fcDNA QC control, assay control, bioinformatic control

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