






















Diagnostic Reference Standards

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

	FFPE (DNA or RNA)	gDNA	cfDNA in buffer	cfDNA in synthetic matrix	fcDNA
Tumor biopsy	✓	✓	✓	✓	✓
Liquid biopsy			✓	✓	
Format	FFPE curl	Tris buffer	Tris buffer	Synthetic matrix	Tris buffer
Sanger sequencing	✓	✓			
PCR based assays	✓	✓	✓	✓	✓
NGS	✓	✓	✓	✓	✓
NGS large panel	✓ (OncoSpan, Structural Multiplex)	✓ (OncoSpan, Tru-Q, Myeloid, Structural Multiplex)	✓ (OncoSpan, Structural Multiplex)	✓ (OncoSpan, Structural Multiplex)	✓
Whole exome sequencing	✓ (OncoSpan, GIAB)	✓ (OncoSpan)	✓ (OncoSpan)	✓ (OncoSpan)	✓
Whole genome sequencing	✓ (OncoSpan, GIAB)	✓ (OncoSpan)	✓ (OncoSpan)	✓ (OncoSpan)	
Single plex	✓	✓	✓	✓	✓
Multiplex	✓	✓	✓	✓	✓
Exome data available	✓select products	✓select products	✓select products	✓select products	
Process controls	   	  	  	   	  

Process Controls

-  **Whole Process Control:** follow the quality of your workflow from start to finish
-  **DNA Extraction Control:** perfect for monitoring sample DNA quality and yield
-  **Assay Control:** optimize your assay conditions with known variants
-  **Bioinformatic Control:** helps to fine-tune your data reporting accuracy

Analysis Technique

- Controls for sequencing and amplification-based technologies
- Next Generation Sequencing (NGS): optimize and validate new / existing workflows; analyze assay sensitivity & 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 and qPCR: deep coverage of common oncology indicated genes with multiple mutation types

Format

- Our cell-line derived reference standards are a close representation of any patient sample
- Allele frequencies to cover a range of oncology mutation rates
- A range of formats to suit any workflow

Custom options available. Please see our Custom Diagnostic [request page](#) for more details.

Please contact Horizon or visit www.horizondiscovery.com for more information

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