

# 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

### Cultek S.L.U.

Your partner in life sciences

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## 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.

# DIAGNOSTIC REFERENCE STANDARDS

	FFPE (DNA OR RNA)		GDNA		cfDNA		fcDNA	
	REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
<b>AKT1</b>	K9HD172	AKT1 Wild Type Reference Standard						
<b>ALK</b>	K9HD784	ALK RET ROS RNA fusion						
<b>BRAF</b>	K9HD598	BRAF V600E FFPE Reference Standard, 50%	K9HD238	BRAF V600E gDNA Reference Standard, 50%				
	K9HD273	BRAF V600E Reference Standard, 1%						
	K9HD232	BRAF V600E Reference Standard, 20%						
	K9HD705	BRAF V600E Reference Standard, 5%						
	K9HD274	BRAF V600K Reference Standard, 1%						
	K9HD123	BRAF V600K Reference Standard, 5%						
	K9HD268	BRAF V600K Reference Standard, 50%						
	K9HD275	BRAF V600R Reference Standard, 50%						
	K9HD266	BRAF wild type FFPE, 100%	K9HD249	BRAF wild type gDNA, 100%				
<b>BRCA</b>	K9HD810	BRCA Somatic Multiplex I (FFPE)	K9HD795	BRCA Somatic Multiplex I (gDNA)				
			K9HD793	BRCA Germline I (gDNA)				
			K9HD794	BRCA Germline II (gDNA)				
<b>EGFR</b>	K9HD653	EGFR DeltaE746-A750 Reference Standard, 5%	K9HD251	EGFR DeltaE746-A750 Reference Standard, 50%				
	K9HD308	EGFR E746-A750 FFPE, 50%						
	K9HD747	EGFR G719A Reference Standard, 50%	K9HD262	EGFR G719A Reference Standard, 50%				
	K9HD714	EGFR G719S Reference Standard, 5%						
	K9HD230	EGFR G719S Reference Standard, 50%						
	K9HD850	EGFR Gene-Specific Multiplex Reference Standard (FFPE) 1% AF	K9HD802	EGFR Gene-Specific Multiplex Reference Standard (gDNA)	K9HD825	EGFR Multiplex cfDNA Reference Standard Set		
	K9HD300	EGFR Gene-Specific Multiplex Reference Standard (FFPE) 5% AF						
	K9HD131	EGFR L858R FFPE, 50%						
	K9HD130	EGFR L858R Reference Standard, 20%	K9HD254	EGFR L858R gDNA Reference Standard, 50%				
	K9HD129	EGFR L858R Reference Standard, 5%						
	K9HD132	EGFR L861Q Reference Standard, 5%						
	K9HD133	EGFR L861Q Reference Standard, 50%						
	K9HD707	EGFR S768I FFPE, 50%	K9HD261	EGFR S768I gDNA Reference Standard, 50%				
	K9HD127	EGFR T790M FFPE Reference Standard, 50%	K9HD258	EGFR T790M gDNA Reference Standard, 50%				
	K9HD126	EGFR T790M Reference Standard, 20%						
	K9HD125	EGFR T790M Reference Standard, 5%						
	K9HD706	EGFR V769_D770insASV Reference Standard, 50%	K9HD260	EGFR V769_D770insASV Reference Standard, 50%				
	K9HD141	EGFR Wild Type Reference Standard	K9HD709	EGFR Wild Type Reference Standard				
	<b>EML4</b>		K9HD269	EML4-ALK Reference Standard, 50%				
<b>FLT3</b>		K9HD664	FLT3 D835Y Reference Standard, 50%					
		K9HD668	FLT3 Wild Type Reference Standard					
<b>IDH1</b>		K9HD669	IDH1 R132H Reference Standard, 50%					
		K9HD6K9	IDH1 Wild Type Reference Standard					
<b>IDH2</b>		K9HD678	IDH2 R172K Reference Standard, 50%					
		K9HD680	IDH2 Wild Type Reference Standard					
<b>JAK2</b>		K9HD681	JAK2 V617F Reference Standard, 50%					
		K9HD649	JAK2 Wild Type Reference Standard					
<b>KRAS</b>	K9HD715	KRAS A59T Reference Standard, 50%						
	K9HD117	KRAS G12A Reference Standard, 5%						
	K9HD255	KRAS G12A Reference Standard, 50%	K9HD652	KRAS G12A Reference Standard, 50%				
	K9HD256	KRAS G12C Reference Standard, 50%	K9HD265	KRAS G12C Reference Standard, 50%				
	K9HD119	KRAS G12D Reference Standard, 5%						
	K9HD204	KRAS G12D Reference Standard, 50%	K9HD272	KRAS G12D Reference Standard, 50%				
	K9HD207	KRAS G12R Reference Standard, 50%	K9HD287	KRAS G12R Reference Standard, 50%				
	K9HD210	KRAS G12S Reference Standard, 50%	K9HD288	KRAS G12S Reference Standard, 50%				
	K9HD213	KRAS G12V Reference Standard, 50%	K9HD289	KRAS G12V Reference Standard, 50%				
	K9HD113	KRAS G13D Reference Standard, 5%	K9HD290	KRAS G13D Reference Standard, 50%				
	K9HD216	KRAS G13D Reference Standard, 50%						
	K9HD301	KRAS Gene-Specific Multiplex Reference Standard						
	K9HD94	KRAS Q61H Reference Standard, 50%						
	K9HD140	KRAS Q61L Reference Standard, 50%						
K9HD135	KRAS Wild Type Reference Standard	K9HD710	KRAS Wild Type Reference Standard					
<b>MSI</b>	K9HD830	MSI FFPE DNA Reference Standard						
<b>MSS</b>	K9HD831	MSS FFPE DNA Reference Standard						
<b>Myeloid</b>			K9HD829	Myeloid DNA Reference Standard	K3HD838	Myeloid Cancer Panel cfDNA Reference Standard		
					K3HD839	Myeloid Cancer Panel cfDNA Negative Control Reference Standard		
<b>NRAS</b>	K9HD745	NRAS G12D Reference Standard, 50%						
	K9HD286	NRAS Q61R Reference Standard, 50%						
	K9HD322	NRAS Wild Type Reference Standard	K9HD648	NRAS Wild Type Reference Standard				
<b>Oncospan</b>	K9HD832	Oncospan FFPE	K9HD827	Oncospan	K9HD833	Oncospan cfDNA		
<b>PIK3CA</b>	K9HD121	PIK3CA E542K Reference Standard, 50%	K9HD688	PIK3CA E542K Reference Standard, 50%				
	K9HD112	PIK3CA E545K Reference Standard, 50%	K9HD689	PIK3CA E545K Reference Standard, 50%				
	K9HD599	PIK3CA H1047R Reference Standard, 50%	K9HD690	PIK3CA H1047R Genomic Reference Standard, 50%				
	K9HD320	PIK3CA Wild Type Reference Standard	K9HD691	PIK3CA Wild Type Reference Standard				
<b>Prostate cancer</b>					K9HD836	Prostate Cancer Panel cfDNA Reference Standard		
					K9HD837	Prostate Cancer Panel cfDNA Reference Standard (Negative Control)		
<b>Multiplex</b>	K9HD200	Quantitative Multiplex Reference Standard (FFPE)	K9HD701	Quantitative Multiplex Reference Standard (gDNA)	K9HD816	Multiplex I cfDNA Reference Standard Set in Synthetic Plasma	K9HD798	Quantitative Multiplex Reference Standard fcDNA (mild)
	K9HD789	Structural Multiplex Reference Standard (FFPE)			K9HD817	Multiplex I cfDNA Reference Standard Set in Synthetic Matrix	K9HD799	Quantitative Multiplex Reference Standard fcDNA (moderate)
					K9HD917	Multiplex I cfDNA in Synthetic Matrix II	K9HD803	Quantitative Multiplex Reference Standard fcDNA (severe)
<b>Tru-Q</b>			K9HD752	Tru-Q 0 (100% Wildtype) Reference Standard				
			K9HD728	Tru-Q 1 (5% Tier) Reference Standard				
			K9HD729	Tru-Q 2 (5% Tier) Reference Standard				
			K9HD730	Tru-Q 3 (5% Tier) Reference Standard				
			K9HD731	Tru-Q 4 (5% Tier) Reference Standard				
			K9HD734	Tru-Q 7 (1.3% Tier) Reference Standard				

## Condiciones

- Precios sin IVA
- Transporte gratuito para pedidos superiores a 200 € (sin IVA).
- Gastos de transporte: 20 € (+IVA).
- En el caso de envíos que incluyan productos que requieran hielo seco, tendrán así mismo un cargo adicional por este concepto.
- Códigos de promoción: MN\_PLASMID22
- Promoción válida hasta el 30 de junio de 2022

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