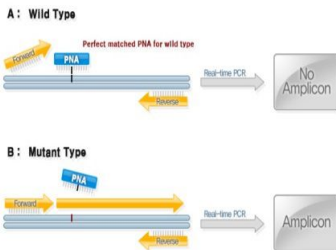


**No DNA Extraction
No Dewaxing**



XNA Mix (30 min)



1.5 hours



Contact |

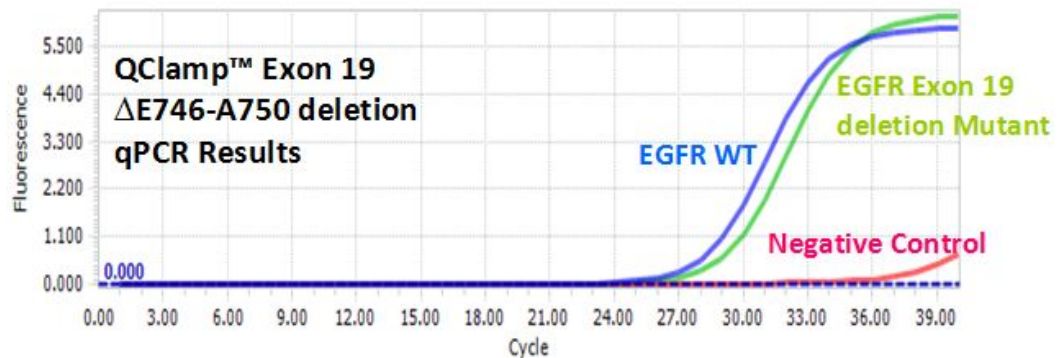
order@diacarta.com
Call: 510-314-8858
Fax: 510-735-8636
www.diacarta.com

QClamp™ EGFR Mutations Test: Below 0.1% Mutated DNA in 2 Hours

QClamp™ suppresses PCR amplification of wild-type template DNA and allows selective PCR amplification of only mutant templates. This allows the detection of mutant DNA in the presence of a large excess of wild-type template from any sample including tumor biopsies and FFPE.

EGFR Exon 19 deletions are in-frame deletions occurring with Exon 19, which encodes part of the kinase domain. This mutation occurs with a frequency of approximately 48% in EGFR mutant lung tumors.

DiaCarta's QClamp™ EGFR Mutation Detection Assay can rapidly detect all 19 reported deletions in Exon 19 directly from tumor biopsies and FFPE samples with no DNA purification at <0.1% sensitivity in less than 2 hours.



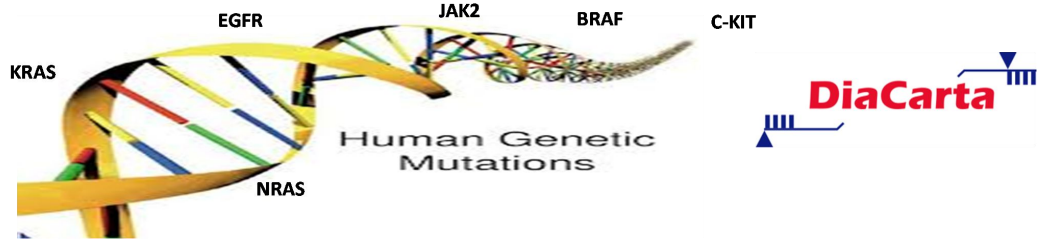
Why Choose QClamp™ Tests?

Some other commercial real-time PCR assays have had problems in detecting Exon 19 G719S due to background generated by non-specific binding to wild-type templates.

DiaCarta's QClamp™ Technology eliminates wild-type interference in amplification of low frequency mutant templates in tumor samples.

Kits are manufactured ISO 13485-certified, GMP Compliant

DiaCarta Inc. 3535 Breakwater Ave., Hayward, CA94545



About DiaCarta

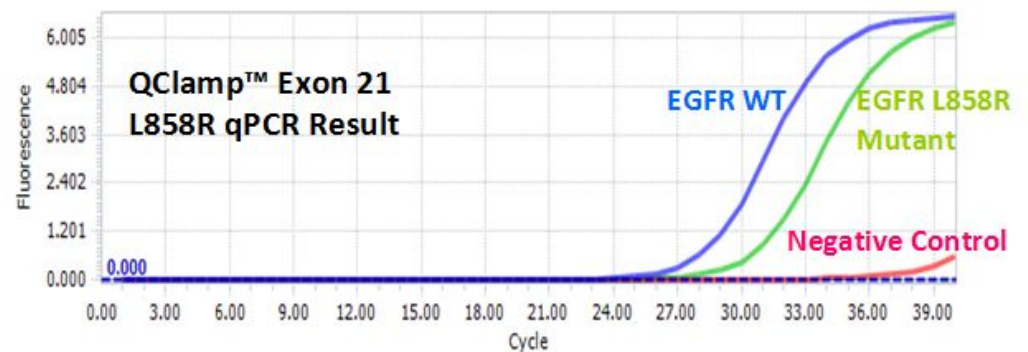
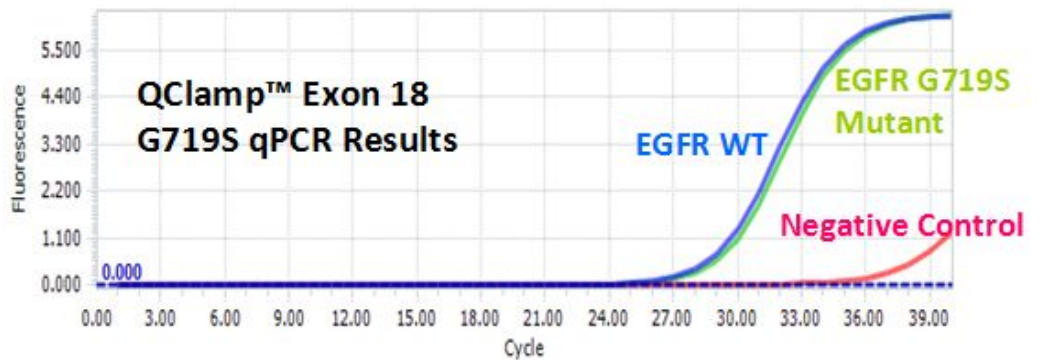
QClamp™ Patented XNA Clamping Real-Time PCR Technology

Assay Highlights

- ◆ No DNA extraction, No dewaxing
- ◆ qPCR directly from lysate
- ◆ Only about 2 hours from start to finish
- ◆ Highly specific and sensitive (below 0.1% mutated DNA)
- ◆ Compatible with commercial available Real-Time PCR machines
- ◆ Robust, reliable and low cost
- ◆ Dramatic result never before seen (ΔCq Mutant > 10)
- ◆ Validated with gDNA reference powered by *Horizon Diagnostics*

Contact |

order@diacarta.com
 Call: 510-314-8858
 Fax: 510-735-8636
 www.diacarta.com



EGFR Mutations in each codon detected by this QClamp™ kit

Exon	Mutation 1	Mutation 2	Mutation 3	Mutation 4
Exon 18	p.G719A	p.G719S	p.G719C	
	p.E746_A750del	p.E746_T751>1	p.E746_T751del	p.E746_T751>A
	p.E746_S752>A	p.E746_S752>V	p.E746_A750del	p.E746_S752>D
Exon 19	p.L747_A750>P	p.L747_T751>Q	p.L747_E749del	p.L747_T751del
	p.L747_S752del	p.L747_A750>P	p.L747_P753>Q	p.L747_T751>S
	p.L747_P753>S	p.L747_T751del	p.L747_T751>P	
Exon 20	p.T790M	p.S7681	p.V769_D770ins ASV	p.H773_V774ins H
	p.D770_N771insG			
Exon 21	p.L858R	p.L861Q		