EGFR RUO

TECHNICAL SHEET IDYLLA™ EGFR MUTATION ASSAY

The **Idylla™ EGFR Mutation Assay**, performed on the Biocartis Idylla™ System, is a molecular assay for the qualitative detection of **exon 18** (G719A/S/C), **exon 21** (L858R, L861Q), **exon 20** (T790M, S768I) mutations, **exon 19 deletions** and **exon 20 insertions** of the EGFR gene.

The **Idylla™ EGFR Mutation Assay**, from **sample-to-result**, starts with formalin-fixed paraffin-embedded (FFPE) tissue to liberate DNA for subsequent real-time PCR amplification and detection.

FEATURES

EGFR mutation detection		
Exon 18	G719A G719C G719C G719S	c.2156G>C c.2155G>T c.2154_2155delinsTT c.2155G>A
Exon 19	Deletion 9	c.2238_2248delinsGC c.2239_2248delinsC c.2240_2248del c.2239_2247del
	Deletion 12	c.2239_2251delinsC c.2240_2251del
	Deletion 15	c.2235_2249del c.2236_2250del c.2240_2254del c.2237_2251del c.2235_2252delinsAAT c.2237_2252delinsT c.2234_2248del c.2236_2252delinsCT c.2235_2251delinsAG c.2236_2252delinsCA

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Exon 19	Deletion 18	c.2240_2257del c.2237_2255delinsT c.2239_2256del c.2236_2253del c.2239_2258delinsCA c.2237_2254del c.2238_2255del c.2237_2257delinsTCT c.2236_2255delinsAT c.2236_2256delinsATC c.2237_2256delinsTC
	Deletion 21	c.2238_2258del c.2236_2256del
	Deletion 24	c.2253_2276del
Exon 20	T790M	c.2369C>T c.[2369C>T;2361G>A]
	S768I	c.2303G>T
	InsG	c.2310_2311insGGT
	InsASV(9)	2300_2308dup
	InsASV(11)	c.2309_2310delinsCCAGCGTGGAT
	InsSVD	c.2303_2311dup
	InsH	c.2317_2319dup
Exon 21	L858R	c.2573T>G c.2573_2574delinsGT c.2573_2574delinsGA
	L861Q	c.2582T>A

EGFR Total (acting as Sample Processing Control)

Minimum specimen requirements

Sample Type	1 x 5 µm FFPE tissue section
Neoplastic cells	≥10%. If less, macrodissection is required

Total turnaround time

Time	150 minutes

Result Reporting

Report	Qualitative genotype call

Catalog Number

Idylla™ EGFR Mutation Assay	A0061/6