

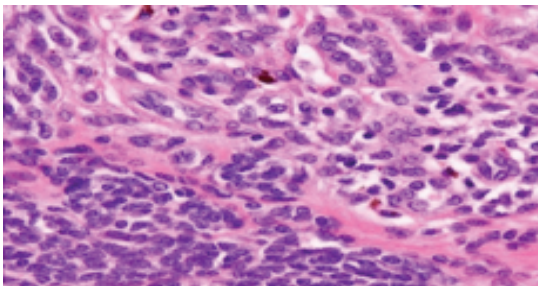
EGFR Mutations (L858R, T790M)

Markers for Targeted Chemotherapy Using TARGRISO & IRESSA

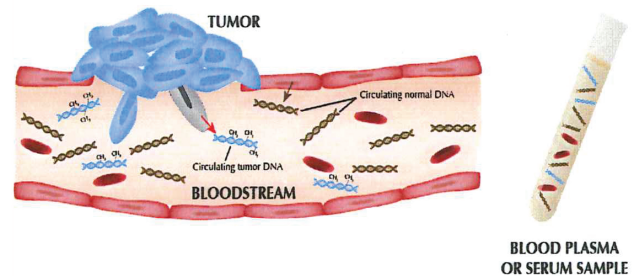
DETECTION and CONFIRMATION by
ULTRA-SENSITIVE MULTIPLEX SANGER SEQUENCING

- Gold Standard Accuracy ■ Verifiable Result Format ■ Multiplexed
- High Throughput – Rapid TAT ■ Cost Effectiveness

SOLID TUMORS
by EGFR TumorPlex™



LIQUID BIOPSY
by EGFR PrimaCap™



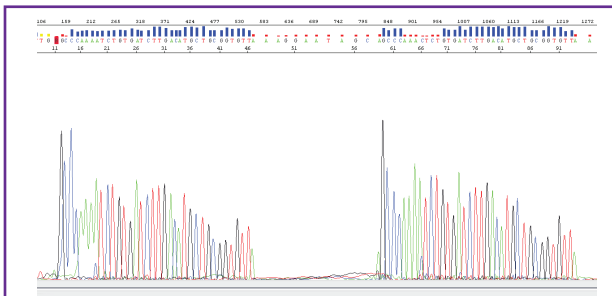
Key Features

- Electropherogram confirms EGFR L858R mutation, and EGFR T790M for resistance
- Highest sensitivity **Mutant: Wild >1:100,000** (vs. 1:1,000 for competitors)
- **LLOD: 15 copies** (vs. 4,000 copies for competitors)
- Wild type as internal control without suppression
- **No need to enrich tumor cells = cost savings**
- Small sample volume (2 FFPE slides)

L858R

(C)-GCCAAAATCTGTGATCTTGACA

(A)-GCCAAAATCTGTGATCTTGACA



L858R Mutant Sequence

Wild Type Sequence

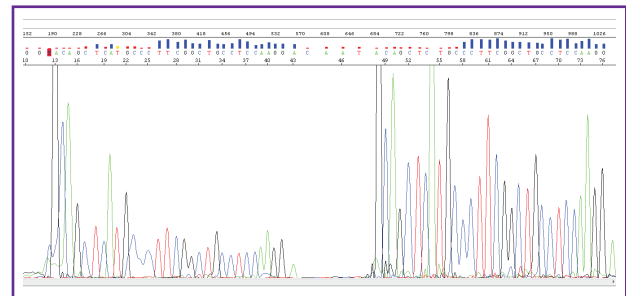
Key Features

- Detection of cell free DNA/RNA from Liquid Biopsies
- Electropherogram confirms EGFR T790M, L858R mutations **in one panel assay**
- DNA/RNA fragments **smaller than 100mer**
- **LLOD: >10 copies/ml in femtograms of DNA**
- DNA sequencing-based **identification and confirmation**

T790M

(T)-GCAGCTCATGCTTCGGCTGCTCCCAAA

(C)-GCAGCTCATGCTTCGGCTGCTCCCAAA



T790M Mutant Sequence

Wild Type Sequence