

## MX-ICP EGFR Exon 20 Kit Components

The EGFR Exon 20 Kit contains the components to perform ICE COLD-PCR amplification with mutation enrichment as well as real time PCR detection for 26 total samples with controls. Recommended storage conditions are listed in [Table 1](#).

**Table 1:** Kit components with recommended storage conditions.

Reagent, ICE COLD-PCR	Lid Color	Color of Label	Volume Total (μL)	Storage (°C)
Pre-Amplification Primers/RS-Oligo	Clear	Blue	180	-20
Pre-Amplification 2X Polymerase Master Mix	Clear	Green	900	-20
Wild Type Control	Clear	White	18	-20
1% T790M Control	Clear	Red	18	-20
1% C797S T>A Control	Clear	Red	18	-20
1% C797S G>C Control	Clear	Red	18	-20
Reagent, TaqMan	Lid Color	Color of Label	Volume Total (μL)	Storage (°C)
Taqman Assay - C797S G>C	Blue	White	40	-20
Taqman Assay - C797S T>A	Yellow	White	40	-20
Taqman Assay - T790M	Orange	White	40	-20
2X Real-Time PCR Polymerase Master Mix	Green	White	1350	4

The kit contains enough reagents to perform 32 total analyses. For optimal usage of the kit, it is suggested that 26 samples are run/batch along with 1 set of controls.

This kit was designed specifically to enrich the following mutations:

1. c.2369C>T; p.T790M
2. c.2389T>A, p.C797S
3. c.2390G>C, p.C797S

### Reagents Required but not Supplied

Molecular Biology Grade Water: Thermo Fisher Catalog # AM9937