

xCapSeq™ TMB 680 Panel

Component

CatLog :HC003

Specification :12 rxns / 96 rxns

Component	12 rxns (HC003-012)	96 rxns (HC003-096)
● xCap TMB 680 Panel	24 μ L	192 μ L

Storage and Delivery

-30 ~ -15 °C Storage , \leq 0 °C delivery.

Introduction

All the detection sections of this product have been rigorously designed. Panel size is 2.5 M, covering a total of 680 genes and related sites, including the entire exon region of 575 genes related to the occurrence, development and precise treatment of solid tumors, and integrating two major international authoritative Panel FoundationOne™ and MSK-IMPACT™ gene sets. The product is based on two rounds of error correction and noise reduction algorithms for UMI molecular tags, with a lower limit of mutation frequency detection as low as 1% and a significant reduction in false positive mutations. Through the patented single-independent DNA synthesis method, each section of Panel can be deeply optimized for excellent performance, with 99.5% of target sequences above 500 \times .

Scope of application

This product is DNA probe and suitable for DNA hybridization capture system.

Experiment Procedure

1. Please refer to the "xCapSeq™ DNA Hyb&Washing Buffer Kit" for the preparation, precautions and hybridization procedure. xCapSeq™ hybridization system is recommended.
2. Place the probe on ice to melt naturally and mix thoroughly before use. Add the reagents to the hybridization system according to the reaction system listed in the table below for a total hybridization volume of 16 μ L.

Component	Volume (μ L)
● xCap 2×Hyb Buffer*	8
● xCap Enhancer Buffer*	3
● Probe (xCap TMB 680 Panel)	2
Nuclease-FreeWater	3
Total Volume	16

⬆ * xCap 2× Hyb Buffer and xCap Enhancer Buffer are the reagent of xCapSeq™ DNA Hyb & Washing Buffer Kit (WisGen#HC001) , Requires additional purchase.