

xCapSeq™ Exome Panel V1.0

Component

CatLog: HC004 Sepification: 12 rxns / 96 rxns

Component	12 rxns (HC004-012)	96 rxns (HC004-096)
● xCap Exome Panel V1.0	48 µL	384 µL

Storage and Develivey

-30 ~ -15 °C Storage, ≤ 0 °C Delivery.

Introduction

xCapSeq™ Exome Panel V1.0 is based on the Coding DNA Sequence (CDS) of human coding genes from the RefSeq 109 database, and contains 410,000 DNA probes with a total of 41.8 M probe regions, covering 200,000 CDS regions of more than 19,000 genes. 34.1 M target intervals, enabling capture of flanking regions of 50 bp. 34.1 M target region, which can realize the capture of 50 bp of flanking region. The product is specially optimized to add the full-length mitochondrial region, with a panel capture efficiency over 80%, 0.2× uniformity of 99%, and support for multi-hyb mode, which provides excellent performance.

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 Exome Panel V1.0)	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.