

Next Generation Sequencing

NGS Services | MiSeq Benchtop Sequencer

Retrogen offers Next Generation Sequencing (NGS) services using Illumina's MiSeq with Cloud Analysis. The MiSeq personal sequencer, compatible with a broad range of NGS applications, features a single-lane flow cell capable of producing up to 7.5 Gb output. The platform utilizes SBS chemistry, offers paired-end sequencing, and maximizes efficiency with up to 96-sample indexing. MiSeq is referenced in over 3,300 peer reviewed journal articles. With over 20 years of experience, Retrogen is your trusted source for all your sequencing needs.

Pre-Made Cancer Panel

Library and Sample Prep

Custom Panel Design

May increase turnaround time

Online Data Access

Competitive Prices

Please call or email for a custom quote

Fast Turnaround

Custom panel design or custom enrichment may increase turnaround

Custom Enrichment

QC Checks

At various stages throughout the process enable us to provide you with reproducible and reliable results

Cloud Based Data Analysis

Up to 7.5 GB Output Per Run

Friendly and Knowledgeable Technical Staff

Free Pickup Service

For San Diego, Orange County and much of Los Angeles



MiSeq Personal Sequencer



NEXT GENERATION SEQUENCING SERVICES

Small Genome Sequencing

Resequencing SNP / InDel Detection
Recombination Events

Plasmids Clone Checking
Transfection / Infection

De novo Assembly Microbial Genomes
Viral Genomes
Non-Model Genomes

Targeted Resequencing

TruSeq Amplicon Cancer Panel
Custom Amplicon Panels

Nextera Exome Enrichment
Custom Enrichment

PCR Amplicons mtDNA derived amplicons
Metagenomics (16S)
PCR Amplicons

RNA Sequencing

Small RNA Discovery
Regulation

RNA-Seq mRNA
Total RNA

Other Applications Available

ChIP-Seq
Library QC
Find More Info Online...