



PRODUCT INFORMATION

Thermo Scientific

MuSeek Index Set 1, Illumina compatible

#K1551

MuSeek Indices M501-4 and M701-6, for 96 preps

Lot _____ Expiry Date _____



Store at -20 °C before opening

COMPONENTS OF THE KIT

Component	Amount
MuSeek Index M501	120 µL
MuSeek Index M502	120 µL
MuSeek Index M503	120 µL
MuSeek Index M504	120 µL
MuSeek Index M701	80 µL
MuSeek Index M702	80 µL
MuSeek Index M703	80 µL
MuSeek Index M704	80 µL
MuSeek Index M705	80 µL
MuSeek Index M706	80 µL

Additional required reagents not provided with the kit:

- Thermo Scientific™ MuSeek™ Library Preparation Kit, Illumina™ compatible (Cat. #K1361)
- Thermo Scientific™ MagJET™ NGS Cleanup and Size Selection Kit (Cat. #K2821)
- Thermo Scientific™ GeneJET™ NGS Cleanup Kit (Cat. #K0851/2)

DESCRIPTION

MuSeek Index Set 1, Illumina™ compatible, is designed for generation of indexed genomic DNA libraries for sequencing on the Illumina MiSeq™ and HiSeq™ instruments. The set provides 4 MuSeek indexed P5 adapters and 6 MuSeek indexed P7 adapters. This enables researchers to pool up to 24 dual-indexed libraries and conduct multiplexed sequencing analysis. The MuSeek Index Set 1 in combination with MuSeek Library Preparation kit, Illumina compatible, allows fast and simple indexed library construction from 50 or 100 ng of sample DNA, eliminating the need for separate shearing and adapter ligation steps.

MuSeek Index Sequences:


Index 1 (i7)	Sample Sheet	Index 2 (i5)	Sample Sheet
M701	CTCTTCTC	M501	CTACATGC
M702	TCTACGCT	M502	GATAGCGT
M703	GACTGACT	M503	ACGGCTAA
M704	CGATCTTC	M504	AAGAGGAG
M705	GAGATTCG		
M706	ATCCTCGA		

For detailed NGS library indexing instructions and protocol refer to the MuSeek Library Preparation Kit, Illumina compatible, (Cat. #K1361) product information sheet on: www.thermoscientific.com/onebio

IMPORTANT NOTES

 **The MuSeek Index Set 1 is compatible only with the MuSeek Library Preparation Kit, Illumina compatible (Cat #1361)!**

The MuSeek indexed adapter addition primers are only compatible with the MuA transposon sequences introduced during DNA fragmentation step using the MuSeek Enzyme Mix from the MuSeek Library Preparation, Illumina compatible.

 **For sequencing indexed libraries generated with this set, use only sequencing primers provided with MuSeek Library Preparation Kit, Illumina compatible. No sequence data will be generated if Illumina primers are used.**

TECHNICAL SUPPORT

web site: www.thermoscientific.com

support email in North America: ts.molbio@thermofisher.com

support email in Europe: ts.molbio.eu@thermofisher.com

Designed and manufactured according to certified ISO 9001:2008 processes.

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Please refer to www.thermoscientific.com/onebio for Material Safety Data Sheet of the product.

TRADEMARKS

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