

DNA Adapter Set for MGI

Instruction for Use

【Product Name】

DNA Adapter Set for MGI

【Cat. No./Spec.】

K040-A / 192 rxns; K040-B / 768 rxns; K040-C / 192 rxns

【Product Description】

DNA Adapter Set for MGI contains 12 or 96 adapters with different indexes, which are suitable for use with the NGS DNA library preparation kit for MGI platform.

【Storage Condition & Shelf Life】

All reagents should be stored at -20°C. The product is valid for 12 months. Do not premix Adapter, Ligation Buffer and DNA Ligase before use to avoid formation of excessive Adapter dimer.

【Scope of Application】

This product is a special adapter primer kit for #KM001S Fast DNA Library Prep Kit for MGI V2, which is applicable for MGI platform.

【Components】

Component	K040-A	K040-B
Adapter 001-096	10 µl each	40 µl each

Component	K040-C
Adapter 001-012	80 µl each

【Sequence Information】

Adapter:

5'-TTGTCTTCCTAAGGAACGACATGGCTACGATCCGACTT-3'

5'-AGTCGGAGGCCAAGCGGTCTTAGGAAGACAA[index]CAACTCCTTGCTCACA-3'

[index] indicates the 10bp index sequence, see the following table for details, and enter the following index sequence in the sample sheet.

Adapter	Index Sequence	Adapter	Index Sequence
001	TAGGTCCGAT	013	TTGCCATCTC
002	GGACGGAATC	014	CGCTATCGGC
003	CTTACTGCCG	015	GCAACGATGG
004	ACCTAATTGA	016	TAATCGTTCA
005	CGGCAATCCG	017	GTTGCTCTA
006	ATCAGGATTC	018	TCTCACACAT
007	TCATTCCAGA	019	CTGTTAGGAT
008	GATGCTGGAT	020	CGCAGACGCG
009	TAGAGGACAA	021	AAGGATCATC
010	CCTAGCGAAT	022	TTAGATGCAT
011	GCTGAGCTGT	023	GTCCAGAGCT
012	AACCTAGATA	024	CACGTGATAG

Adapter	Index Sequence	Adapter	Index Sequence
025	CCACTAGTCC	037	ATCAACGGA
026	TGGAATTGGC	038	AACTGACTG
027	GCTTGACAGG	039	GTACCTCAAT
028	AAGACCTCTA	040	GACTTCTAAT
029	AGTTGCCATA	041	TGAAGCGTTG
030	ATGTACGCAG	042	CGTGCGATCC
031	TTAATGAGAT	043	TCGGAAGGCA
032	TGCGCCACTT	044	CCGATGTCGC
033	CATTAAGGCC	045	ACTTAGAATG
034	CCGCCTCAGA	046	TCCAAGCCTG
035	GCCGGTTATC	047	AGACGATGAT
036	GGAATATTGA	048	CTCACAAGAC

<i>Adapter</i>	<i>Index Sequence</i>	<i>Adapter</i>	<i>Index Sequence</i>
049	CGTTCCTACT	061	ATACTCACGC
050	GTGGTTGTGA	062	ATGCTCCGCG
051	GAAGGCCTGC	063	TGTGAACTTG
052	TAGCTTGCCA	064	GAGAGGTGCT
053	GACAATGCTC	065	TGCACTGTAA
054	GCTAATCACA	066	GCCTAGGCAA
055	AGTCCATAGG	067	CCATCATAGC
056	CTATCGCCTA	068	CATGGTAATT
057	ATCGTGGTCT	069	CACCATGTCT
058	TGGCTAATAC	070	ATATGTCTGG
059	CAGTGCAGAG	071	AAGGAAGCGT
060	TCAGGCTGGT	072	TCAAGACGTC

<i>Adapter</i>	<i>Index Sequence</i>	<i>Adapter</i>	<i>Index Sequence</i>
073	CCGCTCAGTA	085	CCAGAGTCAG
074	GGTGTGTACA	086	AACAGGCAGT
075	TTCACGTAAG	087	GCTCCATGAC
076	GGTCCACAC	088	ATGTCTATCC
077	AGGTATTCTT	089	CCTTGATCAA
078	CGAATGCAAC	090	GGAAGTGGCA
079	TTCAACGGCG	091	AACATTCTAC
080	CTCGGCGGAA	092	GACGCGAGTC
081	ACGGTAATGG	093	CTATAACT
082	GATCCGACGT	094	AGTCTCGTGT
083	TCACGATACA	095	TCGGCCTATG
084	GATTCTCTTC	096	TTGCAGACGG