

GDS dsDNA Fragmentase	DNA		dsDNA
50-1,000 bp	DNA	GDS dsDNA Fragmentase	
dsDNA			DNA
dsDNA	DNA	5' - 3' -	GDS dsDNA
Fragmentase			GDS dsDNA
Fragmentase	DNA	DNA	
GDS dsDNA Fragmentase			

	K024-A (50 rxns)	K024-B (250 rxns)
GDS dsDNA Fragmentase	100 µL	500 µL
10X GDS dsDNA Fragmentase Reaction Buffer	100 µL	500 µL
200mM MgCl ₂	100 µL	500 µL

-20

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dsDNA

1. GDS dsDNA Fragmentase 3

2. PCR

DNA	5ng~3µg	1~16 µL
10X GDS dsDNA Fragmentase Reaction Buffer	2 µL	
		18 µL

3. 2 µL GDS dsDNA Fragmentase 3

:

4. 37°C

50 bp ~ 200 bp	25~35 min *
200 bp ~ 1000 bp	15~25 min *
1000 bp ~ 2000 bp	10~15 min *

: 100ng 10

5. 5 µL 0.5 M EDTA

6. DNA

	DNA	RNA
cDNA	GDS RNA First Strand Synthesis Module	K020-A/24 rxns K020-B/96 rxns
cDNA	GDS Directional RNA Second Strand Synthesis Module	K021-A/24 rxns K021-B/96 rxns
cDNA	GDS Non-Directional RNA Second Strand Synthesis Module	K022-A/20 rxns K022-B/100 rxns
+	GDS Fragmentation & End Prep Module	K023-A/24 rxns K023-B/96 rxns
	GDS dsDNA Fragmentase	K024-A/50 rxns K024-B/250 rxns

	GDS End Preparation Module	K025-A/24 rxns K025-B/96 rxns
	GDS Ligation Module	K026-A/24 rxns K026-B/96 rxns
	HIFI Library PCR Master Mix	K007-A/40 rxns K007-B/400 rxns K007-C/2000 rxns
	GDSPure DNA Selection Magbeads	NC1011/5 mL NC1012/60 mL NC1013/450 mL