

10 mM Tris-HCl 25 C pH 7.5 2.5 mM MgCl₂ 0.1 mM CaCl₂ 1 µg pUC19 DNA
 DNase I 0.3 Kunitz

-
- RNase

DNase I RNase DNA
 5'- 3'-OH
 Ca²⁺ Mg²⁺ Mn²⁺
 Mg²⁺ DNase I dsDNA Mn²⁺
 DNA DNA

- DNA RNA
- DNA
- RT-PCR RT-qPCR DNA RNA
- DNA I DNA
- DNase I RNase DNA-
- DNA Mn²⁺

E1018-A	
DNase I, RNase-Free, HC (50 U/µL)	20 µL
10X DNase I Buffer (Mg ²⁺ Plus)	1 mL
EDTA (50 mM)	1 mL

- SDS 0.1%
- DTT β- 50-100 mM
- EGTA EDTA 65°C 10 1 mol Mn²⁺/Mg²⁺
- 1 mol EGTA/EDTA

-20°C

- RNA DNA
 RNase-Free

E. coli DNase I
 37°C 1 1 µg DNA

Component	Amount
RNA	1 µg
10X DNase I Buffer (Mg ²⁺ Plus)	1 µL
DNase I, RNase-Free, HC (50 U/µL)	1 µL
DEPC-treated Water (#R2041)	To 10 µL
37°C 30 min	

1 μ L 50 mM EDTA 65°C 10 RNA
/

RNA

- 1 μ g RNA 1 U DNase I, RNase-Free
- DNase I, RNase-Free, HC 1X

- 50 mM EDTA RNA RNA 0.1 μ g/ μ l
- RNase RNasin (#R2011) RNA

2. DNA

1 μ g DNA 2 U DNase I, RNase-Free

37°C 15 min
/ DNase I

3. DNA

Component	Amount
10X reaction buffer for DNA Polymerase I	2.5 μ L
Mixture of 3 dNTPs, 1 mM* each (without the labeled dNTP)	1.25 μ L
[α - ³² P]-dNTP, ~110 TBq/mmol (3000 Ci/mmol)	1.85-3.7 MBq (50-100 μ Ci)