

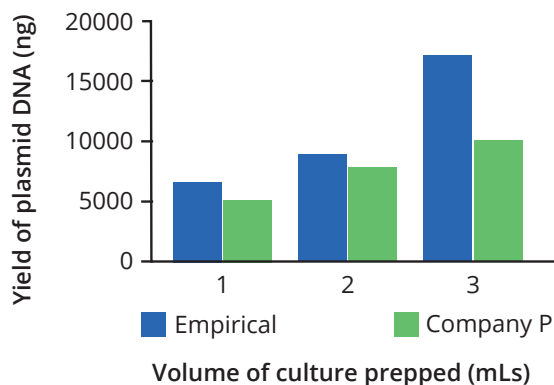
Plasmid Mini-Prep Kit

Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides



Empirical Bioscience Plasmid Mini-Prep Kit is designed for isolation of high-purity plasmid or cosmid DNA from only 1-3mL bacterial culture for subsequent amplification, sequencing, restriction digests, or transformations. The kit can either be used in micro-centrifuges or on vacuum manifolds. It enables the extraction of DNA up to 10 kb length and yields up to 20 µg DNA per preparation.



Plasmid isolation from overnight bacterial culture.

Using Empirical's plasmid mini-prep kit with only 3mL culture yields more high-quality plasmid than a leading competitor with 5mL culture.

Item Number	Preparations
SS-PMK-10	10
PMK-50	50
PMK-250	250

Features

Smaller Volumes Necessary

- Only 1-3mL culture necessary.

pH Indicator Color Change

- Color change to bright yellow to indicate proper loading pH.

Versatile

- Centrifuge or vacuum manifold protocols can be used.

Up To 20ug From Only 3mL Culture Volume!

The lysis buffer contains an integrated pH indicator to easily control the optimal pH value for DNA binding. Efficient DNA binding (for Column Loading) requires a pH of 7.5 that is indicated by a color change of the buffer to bright yellow. An orange or violet color shows a pH >7.5 and indicates an inefficient DNA adsorption. In this case the mixture can be adjusted, and plasmid isolation will be efficient.

Kit Components:

- Lysis Buffer
- Neutralization Buffer
- Rnase A
- Activation Buffer
- Washing Buffer
- Elution Buffer
- Spin Columns & Collection Tubes

Related Products:

- Taq DNA Polymerase
- Taq 2X Master Mix
- Taq 2X MeanGreen Master Mix
- FlashTaq HotStart DNA Polymerase
- FlashTaq HotStart 2X Master Mix
- FlashTaq HotStart 2X MeanGreen Master Mix
- 5X MeanGreen Buffer
- EasyLoad Low Range DNA Ladder
- EasyLoad Mid Range DNA ladder
- EasyLoad High Range DNA Ladder
- UltraPure dNTP Solution Mix, 10mM each
- UltraPure dNTP Solution Set, 100mM each

Empirical Bioscience Product Line

Taq DNA Polymerases	
ITEM NO.	DESCRIPTION
TP-NB-100	Taq DNA Polymerase without Buffer, 100 Units
TP-NB-500	
TP-NB-1000	
TP-NM-100	Taq DNA Polymerase with 10X Reaction (no MgCl ₂) Buffer
TP-NM-500	
TP-NM-1000	
TP-MG-100	Taq DNA Polymerase with 10X Reaction (MgCl ₂) Buffer
TP-MG-500	
TP-MG-1000	

FlashTaq™ DNA Polymerases	
ITEM NO.	DESCRIPTION
FT-NB-100	FlashTaq™ DNA Polymerase without Buffer
FT-NB-500	
FT-NB-1000	
FT-NM-100	FlashTaq™ DNA Polymerase with 10X Reaction (no MgCl ₂) Buffer
FT-NM-500	
FT-NM-1000	
FT-MG-100	FlashTaq™ DNA Polymerase with 10X Reaction (MgCl ₂) Buffer
FT-MG-500	
FT-MG-1000	

Integrity DNA Polymerases™	
ITEM NO.	DESCRIPTION
HF-RB-MG-100	Integrity High-Fidelity DNA Polymerase™ with 10X Reaction Buffer
HF-RB-MG-200	
HF-RB-MG-500	
HF-RB-MG-1000	

PFU-50 High Fidelity Polymerase	
ITEM NO.	DESCRIPTION
PFU-50-100	PFU-50 High Fidelity Polymerase (50X Taq) with Reaction Buffer
PFU-50-200	
PFU-50-500	
PFU-50-1000	
PFU-50-5000	

dNTP Solutions	
ITEM NO.	DESCRIPTION
dNTP-1mL	UltraPure Deoxynucleotide Solution Mix, 10mM
dNTP-100-S0.2mL	UltraPure Deoxynucleotide Solution Set, 100mM
dNTP-100-S1mL	
dNTP-100-S5mL	

Taq Master Mixes	
ITEM NO.	DESCRIPTION
TP-MM-100	Taq 2X Master Mix
TP-MM-250	
TP-MM-500	
TP-MM-1000	
TP-MM-2500	
TP-MMWD-100	Taq 2X MeanGreen™ Master Mix
TP-MMWD-250	
TP-MMWD-500	
TP-MMWD-1000	
TP-MMWD-2500	5X Multiplex Master Mix
TP-MP-100	
TP-MP-500	
TP-MP-1000	
TP-MP-GCE-100	Multiplex Master Mix with GC Enhancer
TP-MP-GCE-500	

FlashTaq™ Master Mixes	
ITEM NO.	DESCRIPTION
FT-MM-100	FlashTaq™ 2X Master Mix
FT-MM-250	
FT-MM-500	
FT-MM-1000	
FT-MMWD-100	FlashTaq™ 2X MeanGreen™ Master Mix
FT-MMWD-250	
FT-MMWD-500	
FT-MMWD-1000	

EasyLoadDNA Ladders™	
ITEM NO.	DESCRIPTION
LA-EL-LR-100	EasyLoad™ Low-Range DNA Ladder, 100 Lanes
LA-EL-MR-100	EasyLoad™ Mid-Range DNA Ladder, 100 Lanes
LA-EL-HR-100	EasyLoad™ High-Range DNA Ladder, 100 Lanes

AlloyTaq Blends™	
ITEM NO.	DESCRIPTION
AT-HF-RB-100	AlloyTaq™ High-Fidelity Blend with 10X Reaction Buffer
AT-HF-RB-200	
AT-HF-RB-500	
AT-HF-RB-1000	

GC Enhancers	
ITEM NO.	DESCRIPTION
GCE-10-100	10X GC Enhancer
GCE-10-500	

MeanGreen™ Buffer	
ITEM NO.	DESCRIPTION
RB-WD-20mL	5X MeanGreen™ Buffer (20 x 1mL)

MeanGreen™ Loading Dye	
ITEM NO.	DESCRIPTION
LD-MG-4mL	6X MeanGreen™ Loading Dye

rEVALution™ qPCR Mixes	
ITEM NO.	DESCRIPTION
RQ-100	rEVALution 2X™ qPCR Master Mix with separate ROX®
RQ-500	
RQ-1000	
RQ-2500	

2x qPCR Probe Master Mix™	
ITEM NO.	DESCRIPTION
QP-MM-100	2x qPCR Probe Master Mix with separate ROX®
QP-MM-500	
QP-MM-1000	
QP-MM-2500	

RTScript™	
ITEM NO.	DESCRIPTION
RT-CSK-100	Reverse Transcriptase cDNA Synthesis Kit

Kits	
ITEM NO.	DESCRIPTION
PMK-50	Plasmid Mini-Prep Kit
PMK-250	
PPK-50	PCR Purification Kit
PPK-250	
AGEK-50	Agarose Gel Extraction Kit
AGEK-250	

Oligonucleotides	
ITEM NO.	DESCRIPTION
RTG-PR	Ready to Go™ Primers