

# Product Datasheet

## Plasmid DNA Purification Kit

### NBP1-41118-10Preps

Unit Size: 10 Preps

Store at 4C. Do not freeze.

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**NBP1-41118-10Preps**

## Plasmid DNA Purification Kit

<b>Product Information</b>	
<b>Unit Size</b>	10 Preps
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Buffer</b>	MidiPrep I (10 preps) or MidiPrep I (25 Preps)
<b>Product Description</b>	
<b>Species</b>	Non-species specific
<b>Reactivity Notes</b>	This product will work on Plasmid DNA purification.
<b>Specificity/Sensitivity</b>	<p>The yield of plasmid DNA depends on the origin of the replication and the size of the plasmid. The protocols are optimized for high copy number plasmid purification. For low copy number plasmids, both the culture volume and the buffer volume need to be scaled up 2 times.</p> <p>This kit provides an easy and reliable method to purify plasmid DNA from 15-50 mL bacterial cultures in less than 60 minutes. The DNA is ready for downstream applications such as transfection, RFLP, DNA amplification, and automated sequencing. Kit I: 100-200 ug of high copy number plasmid DNA can be isolated from 50 mL culture.</p>
<b>Notes</b>	This product comes in the following sizes: MidiPrep I (10 preps) or MidiPrep I (25 Preps)
<b>Product Application Details</b>	
<b>Applications</b>	Functional
<b>Recommended Dilutions</b>	Functional
<b>Application Notes</b>	<p>This kit is designed for fast and efficient purification of plasmid DNA from 15 to 50 mL of E. coli culture. The midi column has a plasmid DNA binding capacity of 250 ug. The yield from 50 mL culture is typically around 150 to 250 ug.</p> <p>The purified DNA is ready for high performance of downstream applications such as transfection of robust cells such as HEK293, restriction mapping, library screening, sequencing, as well as gene therapy and genetic vaccinations.</p>



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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