



Product Name: Plasmid Extraction Mini Kit

Catalog No.: TAEK01D

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

DESCRIPTION:









Plasmid Extraction Mini Kit

Cat. No:	TAEK01D-100 (100 preps)	TAEK01D-300 (300 preps)
PD1 Buffer	25 ml	75 ml
PD2 Buffer	25 ml	75 ml
PD3 Buffer	35 ml	105 ml
PDW Buffer	45 ml	135 ml
Wash Buffer	20 ml	50 ml
Elution Buffer	15 ml	35 ml
PD Column	100 pcs	300 pcs
Collection Tube	100 pcs	300 pcs
RNase A (Lyophilized)	2.5 mg	7.5 mg
Preparation of Wash Buffer by adding ethanol (96 ~ 100%)		
Ethanol volume for Wash Buffer	80 ml	200 ml

Important Notes:

1. Store RNase A at -20 °C upon receipt of kit.
2. Add **0.5 ml of PD1 Buffer** to a RNase A tube, Dissolve the RNase A by vortex. Briefly spin the tube and transfer the total RNase A mixture back to the PD1 bottle, mix well by vortex and store the **PD1 buffer** at 4 °C.
3. If precipitates have formed in **PD2 Buffer**, warm the buffer in 37°C water bath to dissolve precipitates.
4. Preparation of **Wash Buffer** by adding 96 ~100% ethanol (not provided) for first use.
5. Centrifugation steps are done by a microcentrifuge capable of the speed at 11,000 ~1,8000 x g.

Protocol:

<p>Harvesting</p> 	<p>Add 1-5 ml of bacteria Centrifuge (~11,000 x g) for 1 minute Discard the supernatant</p>
<p>Cell Lysis</p>  	<p>Add 200 µl PD1 Buffer Add 200 µl PD2 Buffer Add 300 µl PD3 Buffer</p> <p>Centrifuge (~18,000 x g) for 5 minutes.</p>
<p>Binding</p> 	<p>Transfer the supernatant to the PD column Centrifuge for 30 seconds Discard the flow-through</p>
<p>Wash</p> 	<p>Add 400 µl PDW Buffer Centrifuge (~11,000 x g) for 30 seconds Add 700 µl Wash Buffer Centrifuge (~11,000 x g) for 30 seconds</p>
<p>Dry</p> 	<p>Centrifuge (~18,000 x g) for 3 minutes</p>
<p>Elution</p>  	<p>Add 50 – 100 µl of Elution Buffer or ddH₂O Stand the column for 2 minutes Centrifuge (~11,000 x g) for 2 minutes</p>
	<p>Pure plasmid</p>

Storage and Stability:

Please read the kit contents and follow the storage condition. The user must validate any other storage conditions. When properly stored, the reagent is stable until the date indicated on the label. Do not use the reagent beyond the expiration date. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical: info@biotna.net