Zymo Research DNA Clean & Concentrator

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Abstract

Cleans and concentrates any DNA. Typically useful after PCR, restriction digest, or anything where DNA was altered and now you need your newly altered DNA in a pure form.

Citation: Alan Cone Zymo Research DNA Clean & Concentrator. **protocols.io** dx.doi.org/10.17504/protocols.io.egbbbsn
Published: 22 Jan 2016

Protocol

Step 1.

In a 1.5 ml microcentrifuge tube, add 2-7 volumes of DNA Binding Buffer to each volume of DNA sample (see table below). Mix briefly by vortexing.

Application	DNA Binding Buffer : Sample	Example
Plasmid, genomic DNA (>2 kb)	2 : 1	200 µl : 100 µl
PCR product, DNA fragment	5 : 1	500 µl : 100 µl
ssDNA[1] (*e.g.* cDNA, M13 phage)	7 : 1	700 µl : 100 µl

REAGENTS
Zymo DNA Binding Buffer D4003-1-25 by Zymo Research

Step 2.
Transfer mixture to a provided Zymo-Spin™ Column in a Collection Tube.

Step 3.
Centrifuge for 30 seconds. Discard the flow-through.

Step 4.
Add 200 µl DNA Wash Buffer to the column. Centrifuge for 30 seconds. Repeat the wash step.

AMOUNT
200 µl Additional info:

REAGENTS
Zymo DNA Wash Buffer D4003-2-6 by Zymo Research

Step 5.
Repeat the wash step.

AMOUNT
200 µl Additional info:

REAGENTS
Zymo DNA Wash Buffer D4003-2-6 by Zymo Research

Step 6.

Add ≥ 6 µl DNA Elution Buffer or water directly to the column matrix and incubate at room temperature for one minute. Transfer the column to a 1.5 ml microcentrifuge tube and centrifuge for 30 seconds to elute the DNA.

AMOUNT

6 µl Additional info:

REAGENTS

Zymo DNA Elution Buffer D3004-4-1 by Zymo Research

NOTES

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After starting with 1 ug DNA, typical yields are between 50-100 ng / uL

Great recovery is 80%, typical recovery may be closer to 60%.