DNA Clean & Concentrator™-5

Catalog Nos. D4003, D4004, D4013, & D4014

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Protocol

- ✓ *Buffer Preparation*: Add 24 ml 100% ethanol (26 ml 95% ethanol) to the 6 ml **DNA Wash Buffer** concentrate. Add 96 ml 100% ethanol (104 ml 95% ethanol) to the 24 ml **DNA Wash Buffer** concentrate.
- ✓ *Perform all centrifugation at ≥ 10,000 x g.*

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	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	7 : 1	700 µl : 100 µl

2. Transfer mixture to a provided **Zymo-Spin™ Column** in a **Collection Tube**.
3. Centrifuge for 30 seconds. Discard the flow-through.
4. Add 200 µl **DNA Wash Buffer** to the column. Centrifuge for 30 seconds. Repeat the wash step.
5. 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.

Version 1.2.1

For the full Instruction Manual, visit
http://www.zymoresearch.com/m/D4003