

**Product Information:****dsDNA cleanup and precipitation kit (Cat: DC-001)****Kit contains:** Reagent-A (500ul), Reagent-B (5.5ml); 50x digestion buffer (100ul);**Catalog:** DC-001

Stored at -20°C.

Size: 100 reactions*Research use only, not for diagnostic use.***Description:**

DNA cleanup and precipitation kit contains a combination of nuclei acid enzymes and detergents that rapidly digest the ssDNA, primer-dimers, dNTPs and oligos in PCR product or DNA preparation, used for PCR, real-time PCR, microinjection, DNA library construction, synthesis, ligation and sequencing;

Benefits and features:

- In-tube digestions, no loss for your samples, no column involved for cleanup.

Protocol

1. Mix 5ul of the reagent-A and 1ul of 50x digestion Buffer to the 50ul of DNA solution or PCR products.
Gently mix by pipetting up and down.
2. Incubate reaction at 37 °C for 15-30 minutes. Inactivate reaction at 95 °C for 3 minutes.
The DNA solution is now ready to use for PCR, sequencing and other analysis.
3. Add 55ul of reagent-B and incubate for 10 minutes at room temperature.
4. Gently mix by pipetting up and down and centrifuge at 13,000 xg for 10 minutes at 4°C.
5. Aspirate liquid and simply wash pellet with 80% ethanol for 2 times (don't resuspend the DNA pellets).
6. Air-dry pellet for 5-10 minutes and dissolve DNA in 10-20ul TE buffer or distilled water.
7. Measure the DNA concentration with 260/280nm and store DNA at room temperature or at 4°C.

The DNA solution is now ready to use for PCR and other analysis.

Precautions and Disclaimer:

This product and procedure described are intended for R&D use only. Purchase of this product does not convey a license to perform any patented process.

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