



DNA Precipitation Solution (Cat. PS-01D)

Product Information:

Catalog Number: PS-01D
Sizes: 10 mL (2x), nuclease-free, sterile
Storage : 2- 8°C

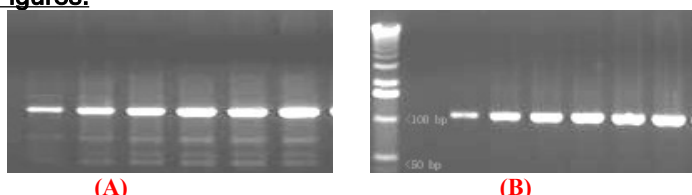
Description:

- The **DNA Precipitation Solution (2x)** is designed for rapid purification and concentration of DNA fragments (≥ 100 bp) from PCR products, enzyme digests or DNA/genomic DNA extractions without using ethanol/ isopropanol precipitations and filter Columns. This solution will not precipitate the DNA/gDNA less than 100bp sizes, primer dimers, dNTPs, fluorescence dyes and free oligonucleotides. The concentrated DNA is suitable for most downstream applications: cloning, sequencing, microarray, southern blotting, SNP analysis or other DNA assays.
- An environmentally friendly solution** – not hazardous and geno-toxic reagents involved.

Procedure:

- Add an equal volume of DNA Precipitation Solution (2x) into the DNA fragment solutions (cell/tissue lysates, PCR products, digestion products). Mix well and incubate at room temperature for 5 minutes.
- Centrifuge at 12,500 x g for 10 minutes at 4°C.
- Carefully aspirate liquids and simply rinse tubes with 2 volumes of 80% ethanol for 2 times without resuspending the DNA pellets. The DNA pellets will **not** be visible if the concentration is less than 20ng/ul.
- Dissolve the DNA pellets in 20-50 μ l of **nuclease-free** TE buffer or distilled water if the DNA pellet is visible. Otherwise, use 10ul of **nuclease-free** TE buffer or distilled water.
- Measure DNA concentration using a spectrometer and store DNA at 4°C or -20°C..

Figures:



The analysis of DNA solutions in 1.2% agarose gels:

- Before using the DNA precipitation solution (PS-01D) showed targeted DNA (107bp), the primer-dimers and free oligonucleotides (lower multiple bands)
- After using the DNA precipitation solution (PS-01D) only showed the targeted DNA (107bp).

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.

Contact us,

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