Vivid Violet DNA/RNA Co-Precipitate

Cat. No.	size
E4502-01	250 µl

Highly visible inert co-precipitant designed for routine use in DNA or RNA precipitations.

Storage Conditions:

Store at -20°C for long-term, or 4°C for short-term storage.

Stored In: Nuclease-free water.

Note 1:
Sufficient for: 100 x 50 µl precipitations.
Supplied at 10 mg/ml.

Note 2:
Vivid Violet does absorb at A_{260} and therefore a correction of the absorbance reading is required.

Quality Control:

All preparations are assayed for contaminating endonuclease, exonuclease, nonspecific RNase and single- and double-stranded DNase activities.

Description:

- Vivid Violet is a neutral carrier which enhances the recovery of nucleic acids when added prior to ethanol precipitation.
- Eliminates the need for low incubation temperature.
- Functions similarly to RNA or glycogen to improve recovery when precipitating dilute solutions of nucleic acids, but has the advantage of adding no biological material.
- Chemically synthesized; will not interfere in subsequent molecular biology manipulations.
- Results in a highly visible purple pellet after centrifugation of the precipitation mixture and thus eliminates loss of nucleic acid pellets during ethanol wash steps since the nucleic acids are readily seen.
- Avoids the necessity of being removed prior to next molecular biology step.
- Helps to determine when nucleic acids are thoroughly dissolved.
- Does not interfere with SDA, PCR, RT-PCR, restriction enzyme digestion, gel electrophoresis or fluorometric determination of nucleic acid content.
- Does not precipitate nucleic acids shorter than 20 base pairs, unincorporated nucleotides and short primers from PCR products can be removed.

Protocol:

1. Add 1 µl of Vivid Violet to 20 µl of DNA/RNA sample.
2. Mix well.
3. Add 2 to 2.5 volumes of 98% ethanol.
4. Mix well.
5. Spin at maximum speed in a microfuge 10-15 min.
6. Carefully decant supernatant.
7. Add 1 ml 70% ethanol. Mix. Spin briefly. Carefully decant supernatant.
8. Air dry or briefly vacuum dry pellet.
9. Resuspend pellet in the appropriate volume of TE or water.

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