

Protocol Name: DNA CPT v1

Notes:

- Total RNA Isolation must be performed prior to DNA Isolation
 - Initial 5 steps below must be performed prior to DNA Isolation
1. Spin tubes containing Trizol and sample at 12,000g, room temperature, for 2 minutes to separate phases.
 2. Remove any remaining aqueous phase using a pipet.
 3. Add 400ul of 100% ETOH, mix by inversion.
 4. Spin at 2,000g, 4°C, for 5 minutes.
 5. Aliquot supernatant equally into two separate tubes (~500ul each) for the protein extraction.

DNA Isolation:

1. Make 0.1M NaCitrate in 10% ETOH (wash buffer).
2. Add 1ml wash buffer to pellet, vortex lightly.
3. Incubate at room temperature for 30 minutes, mix by inversion periodically.
4. Spin at 2,000g, 4°C, for 5 minutes.
5. Remove supernatant and add 1ml of wash buffer.
6. Incubate at room temperature for 30 minutes, mix by inversion periodically.
7. Spin at 2,000g, 4°C, for 5 minutes.
8. Remove supernatant and add 1ml 75% ETOH.
9. Incubate at room temperature for 20 minutes, mix by inversion periodically.
10. Store DNA pellet in 75% ETOH at 4°C.