

**cf-DNA/cf-RNA Preservative Tubes - Supplementary Protocol for Total RNA
Purification from Leukocytes recovered from cf-DNA/cf-RNA Preservative Tubes
Product # 63950, 63960**

Customer-Supplied Reagents

- 0.2µ filtered 1X PBS - pH 7.4 (RNase-free).
- Leukocyte RNA Purification Kit (Cat. 21200)

Section 1: Recovery of Leukocytes from cf-DNA/cf-RNA Preservative Tubes

1. Using a blood collection set and a holder, collect blood into Norgen's cf-DNA/cf-RNA Preservative Tube using your institution's recommended procedure for standard venipuncture technique and as indicated in **Section A** in the manual for the cf-DNA/cf-RNA Preservative Tube (Cat. 63950, 63960).
2. To separate plasma, centrifuge the contents of the cf-DNA/cf-RNA Preservative Tube at 425 xg for 20 minutes at room temperature.
3. Carefully transfer the upper plasma layer by pipetting to a fresh tube. Avoid the transfer of any cells during the transfer of the plasma. **DO NOT DISCARD THE BLOOD PELLET FOR Leukocytes ISOLATION.**
4. To the blood pellet add 1x PBS (pH 7.4) with a volume equivalent to the recovered plasma volume. (For example, if the plasma volume recovered from the blood tubes was 6 mL then add 6mL of 1x PBS (pH 7.4) to the blood pellet).

Important Note: The addition of 1x PBS to the blood pellet must be done immediately after pipetting out the recovered plasma.

5. Mix the blood pellet with the added **1x PBS** by gentle inversion or vortexing to dissolve the majority of the blood pellet.

Important Note: The blood pellet must be fully resuspended in the added 1x PBS. Failure to completely resuspend the pellet will result in lower RNA recovery.

6. Aliquot a maximum of 2 mL from the resuspended blood pellet for Total RNA Purification (Section 2).

Section 2: Total RNA Purification from Leukocytes recovered from Norgen's cf-DNA/cf-RNA Preservative Tubes using Norgen's Leukocyte RNA Purification Kit (Cat. 21200).

- Please refer to the detailed protocol for the Total RNA Purification from Isolated Leukocytes which is available online at www.norgenbiotek.com

Technical Support

Contact our Technical Support Team between the hours of 8:30 and 5:30 (Eastern Standard Time) at (905) 227-8848 or Toll Free at 1-866-667-4362.

Technical support can also be obtained from our website (www.norgenbiotek.com) or through email at techsupport@norgenbiotek.com.

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