

## Total RNA Purification Kit - Supplementary Protocol

Product # 17200

RNA Isolation from Tempus™ Blood RNA Tube using Norgen's Total RNA Purification Kit

### Notes Prior to Use

- Blood of all human and animal subjects is considered potentially infectious. All necessary precautions recommended by the appropriate authorities in the country of use should be taken when working with whole blood.
- Refer to manufacturer's product documentation of blood collection set for specific instructions on venipuncture technique, blood collection and safety information.
- All centrifugation steps are carried out in a benchtop microcentrifuge unless otherwise stated. Various speeds are required for different steps, so please check your microcentrifuge specifications to ensure that it is capable of the proper speeds. All centrifugation steps are performed at room temperature.

### 1. Blood Collection

1. Collect blood into Tempus™ Blood RNA Tube according to manufacturer's instruction.
2. Refer to manufacturer's instructions for storage and shipment conditions.

### 2. Lysate Preparation

1. Pour the entire contents of the Tempus™ tube into a new 50 mL conical tube.
2. Add 3 mL of RNase-free 1X Phosphate Buffered Saline (PBS) (or enough to adjust the final volume to 12 mL). Close the tube tightly and mix by vortexing vigorously for 30 seconds.
3. Centrifuge the tube at 4 °C at 3000 x g (~4500 rpm) on a Beckman JB-6 or equivalent swing bucket centrifuge for 30 minutes.
4. Discard supernatant. Note that the RNA pellet is transparent and invisible.
5. Leave the tube inverted on paper towel for 2 minutes to dry off excessive liquid.
6. Add 600 µL of **Lysis Solution** to the RNA pellet. Vortex the tube for a few seconds to resuspend the pellet.
7. Add 300 µL of **95-100% ethanol**. Vortex briefly to mix.
8. Proceed to "Section 2: Total RNA Purification from All Types of Lysate" in the product insert of Norgen's Total RNA Purification Kit (#17200)

### 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](http://www.norgenbiotek.com)) or through email at [techsupport@norgenbiotek.com](mailto:techsupport@norgenbiotek.com).

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