

## Centrifuge Temperature Extremes

Factors and Their Possible Consequences:

With elevated temperatures, RBC rupture may occur.

Ensure centrifuge temperatures are controlled in accordance with manufacturers' recommendations.

### Corrective Actions

- If using gel-based separator tubes, be sure to comply with the manufacturers' recommendations.
- Temperatures below 4°C should not be used.

### References:

1. *Procedures for the Handling and Processing of Blood Specimens for Common Laboratory Tests*; Approved Guideline-4<sup>th</sup> ed. CLSI document H18-A4. Wayne, PA: Clinical and Laboratory Standards Institute; 2010.
2. Influence of centrifuge temperature on routine coagulation testing. Lippi G, Salvagno GL, Montagnana M, Poli G, Guidi GC. Clin Chem 2006;52:537-538.