

## Re-Centrifugation of Specimen Prior to Analysis

### **Factors and Their Possible Consequences:**

When a sample is re-spun, the RBCs will again be in contact with the serum, and lysed cells will be homogenized in the serum or plasma.

### Corrective Actions

- Do not re-centrifuge gel-based samples. If required, centrifuge aliquot of serum or plasma.
- For non-gel based tubes, store an aliquot of the serum or plasma.

### References:

1. CLSI. *Collection of Diagnostic Venous Blood Specimens*. 7<sup>th</sup> ed. CLSI Standard GP41. Wayne, PA: Clinical and Laboratory Standards Institute; 2017.
2. *Procedures for the Handling and Processing of Blood Specimens; Approved Guideline*; 4th ed. CLSI Document H18-A4. Wayne, PA: Clinical and Laboratory Standards Institute; 2010.
3. Pseudohyperkalaemia caused by recentrifugation of blood samples after storage in gel separator tubes. Hira K, Ohtani Y, Rahman M, Noguchi Y, et al. *Ann Clin Biochem* 2001;38:386-390.
4. High serum potassium concentrations after recentrifugation of stored blood specimens. Hira K, Shimbo T, Fukui T. *N Eng J Med* 2000; 343:153-154.