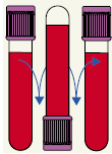


Vigorous Mixing

Factors and Their Possible Consequences:

Vigorous mixing may cause the RBCs to rupture.



Corrective Action:

Gentle tube inversion, 180° down and up. Number of inversions as recommended by the manufacturer.

References:

1. CLSI. *Collection of Diagnostic Venous Blood Specimens*. 7th ed. CLSI Standard GP41. Wayne, PA: Clinical and Laboratory Standards Institute; 2017.
2. Effects of vigorous mixing of blood vacuum tubes on laboratory test results. Lima-Oliveira G, Lippi G, Salvagno GL, Montagnana M, et al. *Clin Biochem* 2013;46:250-254.