

Cumulative summation of differences method for comparing APTT reagents

Date	Current reagent mean (seconds)	New reagent mean (seconds)	Reagent difference (current mean – new mean) (seconds)	Cumulative summation of difference (seconds)
7/15/1999	80.8	78.1	2.7	2.7
2/6/2001	80.7	80.9	-0.2	2.5
9/13/2001	66.5	67.8	-1.3	1.2
1/14/2004	72.4	71.5	0.9	2.1
8/25/2005	64.9	65.8	-0.9	1.2
5/11/2007	86.2	91.2	-5.0	-3.8
1/30/2008	68.4	60.3	8.1	4.3

Fig. 2. Cumulative summation of differences method for revalidating an existing PTT therapeutic range for new lots of APTT reagent. If the cumulative summation difference is greater than seven seconds, the reagent is rejected (not shown). Only the acceptable APTT reagent lots with cumulative differences of less than seven seconds are shown. The data span a period from 1999 to 2008, during which time the therapeutic range was maintained.