METHOD FOR RECALIBRATING AN ANALYZER

Abstract

A method and kit are disclosed for recalibrating a factory-prepared relationship between concentration and expected signal R_{exp} produced by an analyzer. The method and kit use two or three calibrators at the field to obtain an actual signal R_{act} for the two calibrators C_{low} and C_{high}, for example, and these two actual signals are used to create a ratio of R_{actlow}/R_{explow} and $R_{acthigh}/R_{exphigh}$. The first of these is used to correct the expected signals for concentrations below the lower calibrator concentration, and the second is used to correct expected signals for concentrations above the higher calibrator concentration, producing pseudosignals PS_{low} and PS_{high}. A straight-line relationship is applied between the corrected PS_{low} and PS_{high}, and that relationship is used for concentrations between C_{low} and C_{high}.

(figure 1)