

CONCORDANCE BETWEEN LABORATORIES TESTING CLINICAL SAMPLES

Concordance between Laboratories testing Clinical Samples

Abstract. Concordance study between two laboratories testing clinical samples are important to a clinical program to assess the comparability of test results, especially when the two laboratories performed the same test at different locations. Assays that measure immune response should not be compared using the simple linear regression model; instead literature publications recommend an "errors-in-variables" model that accounts the variability in these assays (5). In this paper, concordance slope and intercept was estimated using the statistical linear relationship (Tan and Iglewicz, 1999) for various tests between laboratories.

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