

Sampling Errors in Validation

By **Patricia L. Smith** May 11, 2013 3:17 pm EDT

Sampling errors may be generally categorized as Material Errors, Process Errors, Sample Errors, and Laboratory Errors. Ten specific individual sampling errors have been identified. Material errors include Fundamental Error, Grouping and Segregation Error, and Nugget Effect. Material variation is due to its composition, its distribution, and inherent material non-uniformity. Material variation is often not fully appreciated and may impact all other sources of variation. Process errors include Non-periodic Process Errors and Periodic Process Errors. Process variation is fairly well understood and...

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