

Modification of ELISA Protocols: What must be done to change the protocol from the one recommended in the product insert?

The assay protocols shown in the kit product insert have been developed with consideration given to typical limits of detection required in bioprocess contaminant analysis. The assays are very robust with respect to protocol options and thus it is possible to modify the protocol to achieve performance parameters more optimal for your analytical needs. Sample volume, incubation times, and use of various sequential (forward or reverse sequential) schemes or simultaneous incubation of sample with enzyme conjugated antibody can lead to significant changes in sensitivity, freedom from non-specific sample matrix affects, or greater upper analytical range. If you change the protocol, it will be necessary to validate that those changes achieve acceptable accuracy, specificity, and precision. Please refer to the section on "[Validation of ELISA.](#)" For advice on how best to modify an assay to meet your objectives you are encouraged to contact our Technical Services Department.