



HCP Recovery Strongly Depends on the Type of ELISA Kit Used

There is no one generic HCP ELISA suitable for all samples and users are well advised to test different kits before making their choice.

To exemplify, we tested the four CHO|360-HCP ELISA kit types (A to D) and a commercially available generic CHO HCP assay on the basis of a great number of mock CHO HCP samples. Figure 2 shows that in most cases the best recovery was estimated with one of the four CHO|360-HCP ELISA kit types (A to D). In the case of sample 4, a recovery of > 90% was estimated with ELISA kit type D while ELISA kits A, B and C as well as the commercial kit were less sensitive with the latter recognizing only 20% of the host cell proteins.

Performance Study

In alternative to using the Starter Set, BioGenes offers the testing of your CHO HCP containing samples as a service and recommends the most appropriate kit for your specific process as part of a Performance Study.

To obtain a higher level of assurance that the HCP antibodies are fit for purpose, BioGenes also offers a 2D analysis of mock CHO HCP using the DIGE technology. 2D analysis allows obtaining an estimate of the coverage of the HCP antibodies to the total host cell proteins present in a specific CHO cell line.

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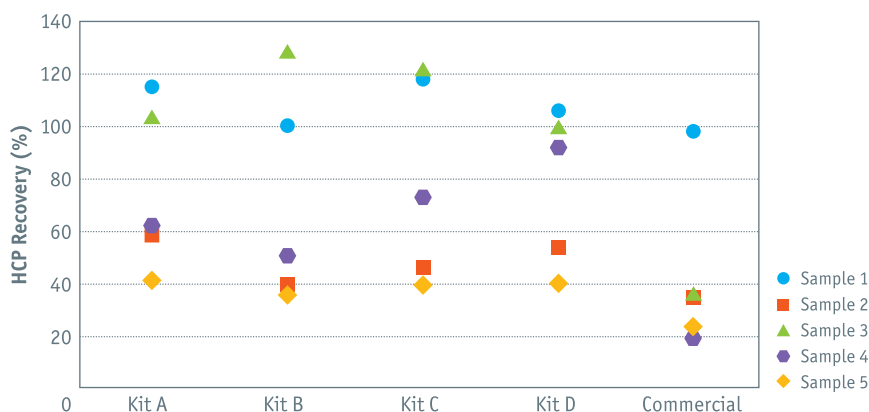


Figure 2: Selected mock CHO HCP samples were tested using five different CHO HCP assays: CHO|360-HCP ELISA kit types (A to D) and a commercially available generic CHO HCP assay. Recoveries higher than 100% are based on overestimation.