

PROJECT REVIEW

“Determination of sensitivity of detection of hGH doping with hGH Biomarkers Test”

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The aim of the study is to re-assess the sensitivity of the hGH biomarkers test, in its current assay format, to detect doping with hGH. This study includes the analysis of multiple samples already collected before, during and after administration of low, medium or high doses of hGH (and placebo as control).

Samples will be analyzed for IGF-I (top-down and bottom-up LC-MS/MS, to compare both methods) and also with the other, complementary assay for detection of hGH (isoforms test). IGF-I measurements will be combined with P-III-NP determinations (to be performed in another lab, using the Siemens Centaur platform) to calculate the GH-2000 scores and re-assess the sensitivity of the current hGH Biomarkers Test.