



## ESWG WET EXERCISE 2020

This year's wet exercise includes a child (sample labeled Child) seeking his/her biological father. Conduct a paternity test for the two alternative fathers (samples labeled Father1 and Father2).

Use a frequency database appropriate for an Caucasian population. Report the likelihood ratios (LR) for the individual genetic markers included in the tests as well as the combined LR. State which frequency database you have used for the calculations.

### *Samples and procedure*

The samples (three in total) consist of blood on FTA cards (diluted spots). The dilution this year has decreased, i.e. the concentration has increased. This should mitigate some of the problems experienced previous year by some labs. We recommend direct amplification with buffers available from vendors (alternatively direct amplification with modern multiplexes). Other extraction procedures have not been tested.

Please perform the DNA tests according to your procedures for kinship analysis and report the data and conclusions in the questionnaire attached to the information email. If different kits are included in the analysis and any discrepancies between overlapping markers occur, please state the difference(s) in the commentary field.

### *Due date*

The due date was initially set to July 1st, but due to the ongoing pandemic we will accept delayed answers if staff or other necessary resources are limited.