

HLA TYPING

Thank you for your interest to our products and services. Please read the following instructions thoroughly and contact CeMIA SA staff for any questions and/or clarifications prior to sample submission.

Overview

We provide allelic resolution 6-loci HLA typing for HLA-A (Full gene), -B (Full gene), -C (Full gene), -DRB1 (Exon 2 - 3' UTR), -DQB1 (Exon 2 - 3' UTR), and -DPB1 (Exon 2 - 3' UTR) using NGS technology. Other loci can also be included after consultation. Sample types that can be processed for HLA typing include: whole blood, cord blood, extracted gDNA (other biological samples can be accepted following communication).

General Considerations

Whole Blood and Cord blood samples should be collected in EDTA or ACD (not heparin) and the minimum quantity required is 2 mL. Samples can be stored and shipped in RT.

Buccal swabs should be collected by a technique that ensures the collection of a satisfying number of cells. After collection, swabs should be stored inside their individual pouch. Buccal swabs can be stored and shipped in RT, though it is advisable to keep a temperature below 4 °C in order to avoid bacterial growth.

DNA samples should be in a concentration 15-30 ng/μl and an OD 260/280 ratio between 1,7 and 1,9. The minimum quantity required is 50 μl. DNA samples can be stored and shipped in RT.

Keep in mind that correct and indelible labeling of samples is fundamental. Samples must be individually labeled with identification code and date of collection. Unlabeled specimens are not accepted, even when accompanied by paperwork bearing the patient's name.

Submission

Complete all required fields in the [HLA Typing Request Form](#) (Sample name, date of collection, sample type, etc)

- On the submission form, provide all necessary contact and charging details
- Submit the form electronically via e-mail to info@cemia.eu

Prepare samples for transportation. Keep in mind that, the package must be shipped according to the national legislation and the carrier's guidelines in regard to biohazardous material. Please inform appropriately and follow the instructions of your carrier for current biohazardous shipping regulations.

Ensure that each sample is individually labeled with identification code and date of collection

Ensure that all samples recorded in HLA Typing Request Form are enclosed in the shipment.

Provide adequate protection within padded envelope or other mean of transportation.

On the day we receive samples, you will receive an email acknowledging receipt

Results

Reporting of results will be performed via e-mail.

Along with the dispatch of the report, CeMIA can also return all samples in the form of DNA placed on 96 well plates.