



SMTS Directory

Accreditation number: SMTS 0012

International standard: ISO 15189:2012
Swiss standard: SN EN ISO 15189:2013

Service d'immunologie
et d'allergie
Laboratoire de diagnostic
Centre Hospitalier
Universitaire Vaudois
CH-1011 Lausanne

Head: Prof. G. Pantaleo
Responsible for MS: D. Chevalley
Telephone: +41 21 314 08 00
E-Mail: dehlia.chevalley@chuv.ch
Internet: <http://www.immunologyresearch.ch>
Initial accreditation: 17.12.1999
Current accreditation: 17.12.2019 to 16.12.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 18.10.2022

Medical laboratory for analyses in the fields of allergy, clinical immunology and vaccinology

| Group of products or materials, field of activity | Principle of measurement ³⁾ (characteristics, measuring ranges, type of test) | Test methods, remarks (national, international standards, in-house test methods) |
|---|--|--|
| Specimens of human origin | | |
| Blood / feces | ELISA - Detection of antibodies - Detection of antigens | Commercial methods |
| Blood | FEIA - Detection of antibodies | Commercial methods |
| Blood | FEIA-Multiplex - Detection of antibodies | Commercial methods |
| Blood | ECL - Detection of antibodies - Detection of antigens | Commercial methods |
| Blood | Immunodot - Detection of antibodies | Commercial methods |



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|---|---|--|
| Blood | Immunofluorescence - Detection of auto-antibodies | Commercial methods |
| Blood | Microcytotoxicity - Measurement of lymphocytotoxic auto- and allo-antibodies | Commercial methods |
| Blood, urine, CSF | Nephelometry/Turbidimetry - Measurement of specific proteins | Commercial methods |
| Blood, urine, CSF | Immunofixation / immunosub- straction - Qualitative study of gammaglobulins | Commercial methods |
| Blood | Cytofluorometry - Lymphocytes markers - Lymphocyte proliferation assay (CFSE) - Intra Cellular Staining (ICS) | In-house methods. Cytofluorometry technique performed by another laboratory |
| Blood | Cytofluorometry - T and B cells crossmatch | In-house methods |
| Blood | Real-time RT-PCR quantitative / qualitative - Measurement of viral load | In-house methods, commercial methods |
| Blood | Real-time PCR quantitative / qualitative - Measurement of viral load | In-house methods, commercial methods |
| Blood | Sequencing NGS - Research of genotyping resistance and sub-types of HBV | Commercial methods NGS technique performed by another laboratory |
| Blood | - Genotyping resistance to HIV-1 | Commercial methods NGS technique performed by another laboratory |
| Blood | - Genotyping resistance to HCV and genotyping - HLA class I and II typing | Commercial methods NGS technique performed by another laboratory Commercial methods NGS technique performed by another laboratory |
| Blood | Real-time PCR - SSP - HLA class I and II typing | Commercial methods |
| Blood | Spectrophotometry - Proteins quantification | In-house method |

1) Scope of accreditation type A (fix)
2) Scope of accreditation type B (flexible)
3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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|---|--|--|
| Blood | Elispot TB, CMV, EBV - Detection of the number of cells capable of secreting a specific cytokine | In-house method |
| Blood | Mass Cytometry (CYTOF) - Detection of primary immunodeficiencies | In-house method |

The medical laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the laboratory.

| Abbreviation | Signification |
|--------------|---|
| CSF | Cerebrospinal fluid |
| CMV | Cytomegalovirus |
| EBV | Epstein Barr Virus |
| ECL | Electro Chemiluminescence |
| ELISA | Enzyme-linked immunosorbent assay |
| FEIA | Fluorescence Enzyme Immuno Assay |
| HBV | Hepatitis B Virus |
| HCV | Hepatitis C Virus |
| HIV | Human Immunodeficiency Virus |
| HLA | Human Leucocyte Antigen |
| NGS | Next generation Sequencing |
| PCR | Polymerase Chain Reaction |
| RT-PCR | Reverse Transcriptase-Polymerase Chain Reaction |
| TB | Tuberculosis |

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