

# Lymphocyte differentiation

The following tests are available:

- **Immune status, lymphocyte differentiation**

General:

Tested parameters: CD19, CD3, CD3+, CD56 (NK cells), CD3+DR+ (activated T cells), CD4 (helper cells), CD8 (suppressor cells), ratio CD4/ CD8. Further subclassification is possible with examinations of coexpressed antigens (CD45RA, CD45RO, HLADR, CD25, CD38). Additional CD-markers on request.

Indication: suspicious of immunodeficiency, chronic infections, HIV patients in symptom free intervals.

Material: 3 ml EDTA + 5 ml CPDA blood

Preanalytics: Sample transport should be as fast as possible. Determination within 24 hours. Store at room temperature, do not cool!

TAT: 5-7 days\*

Method: Flow cytometry

- **Monitoring (HIV therapy)**

General:

Tested parameters: CD4, CD8, Ratio CD4/CD8, CD 19, CD 16/56.

Indication: Monitoring immune system during antiretroviral therapy

Material: 3 ml EDTA + 5 ml CPDA blood

Preanalytics: Sample transport should be as fast as possible. Determination within 24 hours. Store at room temperature, do not cool!

TAT: 5-7 days\*

Method: Flow cytometry

- **Immunomodulation therapy (Mistletoe lectins etc.)**

## General:

Tested parameters: CD4, CD8, ratio CD4/CD8, act. B lymphocyte, CD25+, CD3+

Indication: Immunomodulation therapy, suspicion of chronic infection

Material: 3 ml EDTA + 5 ml CPDA blood

Preanalytics: Sample transport should be as fast as possible. Determination within 24 hours recommended. Store at room temperature, do not cool! Please contact us for other markers. (e.g. prognostic parameter: soluble interleukin 2-receptor in serum). RBC will be required (absolute number of eosinophils). Information on diagnosis is strictly required, as surface marker panels will be selected accordingly.

TAT: 5-7 days\*

Method: Flow cytometry

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>