The Appendix is an integral part of
Certificate of Accreditation No. 258/2024 of 04/06/2024

Accredited entity according to ČSN EN ISO 15189 ed. 2:2013:

Fakultní nemocnice Olomouc
CAB Number 8203, Laboratories of the Hemato-Oncology Clinic
Zdravotníků 248/7, 779 00 Olomouc

The laboratory applies a flexible approach to the scope of accreditation.
The current "List of activities within the flexible scope" is available on the website https://hok.fnol.cz/dokumenty-laboratori-hok

Examinations:

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom[1]
813 - Allergology and Immunology Laboratory					
1.	Immunophenotyping of cell populations	Flow cytometry	In-house procedure	Peripheral blood	A, B
816 – Medical Genetics Laboratory					
1.	Detection of chromosomal rearrangements	Nested RT-PCR	Published procedure	Biological material containing nucleic acid	A, B, C, D
2.	Examination of somatic genome variants	Sanger sequencing	Published procedure; In-house procedure	Biological material containing nucleic acid	A, B, C, D
3.	Examination of somatic genome variants	PCR with fragment analysis	Published procedure; In-house procedure	Biological material containing nucleic acid	A, B, C, D
4.	Thrombophilic mutations	Real-Time PCR	Commercial procedure	Biological material containing nucleic acid	A, B, C, D
5.	Examination of germline genome variants	MLPA	Published procedure; In-house procedure	Biological material containing nucleic acid	A, B, C, D
6.	Examination of somatic genome variants	NGS-MPS	Commercial procedure	Biological material containing nucleic acid	A, B, C, D
7.	HLA system examination	PCR-SSP	Commercial procedure	Biological material containing nucleic acid	A, B, C, D
8.	Examination of somatic genome variants	PCR with electrophoretic detection	Published procedure; In-house procedure	Biological material containing nucleic acid	A, B, C, D

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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom[1]
9.	Gene expression	Real-Time RT-PCR	Commercial procedure; In-house procedure	Biological material containing RNA	A, B, C, D
10.	Examination of tumor karyotype	Conventional cytogenetic analysis	Published procedure	Peripheral blood, bone marrow, lymph node, spleen and other tumor tissues	A, B
11.	Examination of chromosomal aberrations	FISH	Published procedure	Peripheral blood, bone marrow, lymph node, spleen and other tumor tissues	A, B
12.	Examination of unbalanced chromosomal aberrations	aCGH	Commercial procedure	Peripheral blood, bone marrow, lymph node, spleen and other tumor tissues	A, B
818 - Haematology Laboratory					
1.	Blood count with a five-part differential Leukocyte count	Flow cytometry; Impedance method; Photometry; Calculations	Commercial procedure	Blood	A, B
2.	Reticulocytes	Flow cytometry; Calculations	Commercial procedure	Blood	A, B
3.	Peripheral blood smear test	Microscopy	Commercial procedure	Blood	A, B
4.	Peripheral blood smear test	Digital microscopy	Commercial procedure	Blood	A, B
5.	Prothrombin test	Coagulation method with optical detection of coagulum; Calculation	Commercial procedure	Plasma	A, B
6.	Activated partial thromboplastin time	Coagulation method with mechanical detection of coagulum; Calculation	Commercial procedure	Plasma	A, B

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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom[1]
7.	Fibrinogen	Coagulation method with optical detection of coagulum	Commercial procedure	Plasma	A, B
8.	Antithrombin	Chromogenic method	Commercial procedure	Plasma	A, B
9.	D-dimers	Immunoassay with optic detection	Commercial procedure	Plasma	A, B

Explanatory notes:

[1] Established degrees of freedom according to MPA 00-09-..:

A – Flexibility concerning the documented examination / sample collection procedure

B – Flexibility concerning the technique

C – Flexibility concerning the analytes / parameters

D – Flexibility concerning the examined material

If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for this examination.

FISH	Fluorescence *in situ* Hybridization
NGS-MPS	Next Generation Sequencing - Massively Parallel Sequencing
PCR	Polymerase Chain Reaction
Real-Time PCR	Polymerase Chain Reaction in Real Time
RT-PCR	Reverse Transcription Polymerase Chain Reaction
PCR-SSP	Polymerase Chain Reaction with Sequence-Specific Primers
Nested RT-PCR	Multiplexá Reverse Transcription Polymerase Chain Reaction
aCGH	Oligonucleotide array Comparative Genomic Hybridization

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "