

**The Appendix is an integral part of
Certificate of Accreditation No. 85/2023 of 24/02/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

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

Examinations:

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
813 - Allergology and Immunology Laboratory			
1.	Determination of percentage of CD 19 and CD 20 positive B lymphocytes by flow cytometry method on FACS CANTO II [CD 19 on lymphocytes, CD 20 on lymphocytes]	SOP-LPC-A01	Blood
816 - Medical Genetics Laboratory			
1.	Analysis of karyotype of tumour tissue cells by banding cytogenetic method [karyotype by cytogenetic method]	SOP-LCG-A01	Tumour tissue
2.	Detection of cytogenetic changes by fluorescence in situ hybridization method [FISH]	SOP-LCG-A02	Tumour tissue
3.	Quantitative determination of the level of BCR-ABL transcripts in leukocytes by real-time RT-PCR [B _q B/A]	SOP-LMB-A01	Bone marrow, blood
4.	BCR/ABL p210, p190 – qualitative determination by Nested RT-PCR [B _B /Amajor, B _B /Aminor]	SOP-LMB-A02	Bone marrow, blood

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
5.	Quantitative determination of cellular chimerism by fragment analysis on capillary electrophoresis – genotyping and post-transplant examination [DNA_STR1, DNA_qCHIM]	SOP-LMB-A03	Bone marrow, blood
6.	Determination of mutation – Factor V Leiden and Factor II prothrombin 20210 G>A by Real time PCR method [F V- R/Q506, F II 20210 G/A]	SOP-LMB-A04	Blood
7.	Determination of PAI-1 4G/5G mutation by Real time PCR [PAI 4G/5G]	SOP-LMB-A05	Blood
8.	Determination of mutations using ClearSeq AML panel ¹⁾ by NGS/MPS method [AML/MPN/MDS mutation, Evaluation of AML/MPN/MDS]	SOP-LMB-A06	Bone marrow, blood
9.	Determination of sequence variants in TP53 ²⁾ gene by NGS/MPS method [TP53 NGS mutation, Evaluation of TP53]	SOP-LMB-A07	Bone marrow, blood
10.	Determination of HLA alleles associated with celiac disease by PCR-SSP method [HLA DQ2/DQ8]	SOP-LMB-A08	Blood

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
818 - Haematology Laboratory			
1.	Determination of blood count and differential leukocyte count on Sysmex Series XN 1000, 3100 haematology analyzers [Blood count: Leukocytes, Erythrocytes, Haemoglobin, Haematocrit, Mean corpuscular volume, Haemoglobin ERY, Mean Corp. Hem. Conc., Red Cell Distribution Width, Thrombocytes, Mean Plat. Vol. Differential analyzer: Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils]	SOP-LKO-A01	Blood
2.	Determination of reticulocytes on Sysmex Series XN 1000, 3100 haematology analyzers [Reticulocytes]	SOP-LKO-A02	Blood
3.	Peripheral blood smear analysis by microscopic method using light microscope [manual differential]	SOP-LKO-A03a	Blood
4.	Peripheral blood smear analysis by microscopic method using automatic digital morphology system – Sysmex DI-60 analyzer [manual differential]	SOP-LKO-A03b	Blood
5.	Coagulation determination of prothrombin time in plasma on ACL TOP analyzer [Prothrombin time_INR, Prothrombin time - patient, Prothrombin time - normal]	SOP-LKG-A01	Plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
6.	Coagulation determination of activated partial thromboplastin time in plasma on ACL TOP analyzer [aPTT, aPTT R]	SOP-LKG-A02	Plasma
7.	Determination of fibrinogen by coagulation method on ACL TOP analyzer [Fibrinogen]	SOP-LKG-A03	Plasma
8.	Determination of antithrombin by chromogenic method on ACL TOP analyzer [Antithrombin]	SOP-LKG-A04	Plasma
9.	Determination of D-Dimer by immunomethod on ACL TOP analyzer [D-Dimer HS]	SOP-LKG-A05	Plasma

Names in parentheses [...] are the names of examinations shown in the reports.

Explanatory notes to the scope of accreditation:

¹⁾ List of sequenced exons of selected genes in the ClearSeq AML panel

Gene	Exons	Gene	Exons
ASXL1	12	MPL	10
CSF3R	14/17	NPM1	11
CBL	8/9	NRAS	2/3
CEBP α	1	RUNX1	3/4/8
DNMT3A	4/8/13/15/16/18/19/20/22/23	SETBP1	3
EZH2	8/17/18	SF3B1	13-15/17
FLT3	14/20	SRSF2	1
IDH1	4	TET2	3/9/10/11
IDH2	4	TP53	5-8
JAK2	12/14	U2AF1	2/6

²⁾ Sequencing includes the entire coding region of the *TP53* gene (exons 2-11), plus adjacent portions of introns, β and γ -region (in intron 9), 3'-UTR and 5'-UTR (incl. exon 1).