

ANEKSI I CERTIFIKATËS SË AKREDITIMIT nr: LM 001/2022/0

Annex to Accreditation Certificate No:

Standardi: SK ISO 15189:2020

Standard: ISO 15189:2012

Laboratori Mjekesor i Akredituar:

Accredited Medical Laboratory:

“OLIVE MEDICAL GROUP” SH.P.K., Olive Medical & Laboratory

Rr. Fadil Hoxha L. Kalabria Kati 2 Objekti EXDC-4, Republika e Kosovës

Data e mbarimit të akreditimit: 25.04.2026

Accreditation expiry date:

Data e akreditimit të parë: 26.04.2022

Initial accreditation date:

Fusha e akreditimit:

Scope of accreditation:

Laboratori për Biokimi, Hematologji

Laboratory for Biochemistry, Hematology

FUSHA E AKREDITIMIT

Scope of Accreditation

1 No.	2 Biological sample	3 Analyte/ Component/ Parameter/ Characteristic	4 Examination technique/ Principle of examination	5 Procedure for examination used by laboratory	6 Other information (where applicable)
1	Whole Blood	White blood cells (WBC)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
2	Whole Blood	Neutrophils (NEUT) %	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
3	Whole Blood	Lymphocytes (LYM) %	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
4	Whole Blood	Monocytes (MONO) %	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
5	Whole Blood	Eosinophils (EOS) %	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
6	Whole Blood	Basophils (BASO) %	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
7	Whole Blood	Neutrophils (NEUT) #	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff,	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed	Venous blood and capillary blood

1	2	3	4	5	6
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			(Electronic counter)	for 10 minutes and placed in Electronic counter	
8	Whole Blood	Lymphocytes (LYM) #	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
9	Whole Blood	Monocytes (MONO) #	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
10	Whole Blood	Eosinophils (EOS) #	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
11	Whole Blood	Basophils (BASO) #	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
12	Whole Blood	Red blood cells (RBC)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
13	Whole Blood	Hemoglobin (Hgb)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
14	Whole Blood	Hematocrit (HTC)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes	Venous blood and capillary blood

1	2	3	4	5	6
No.	Biological sample	Analyte/ Component/ Parameter/ Characteristic	Examination technique/ Principle of examination	Procedure for examination used by laboratory	Other information (where applicable)
				and placed in Electronic counter	
15	Whole Blood	Mean Corpuscular Volume (MCV)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
16	Whole Blood	Mean corpuscular hemoglobin (MCH)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
17	Whole Blood	Mean corpuscular hemoglobin concentration (MCHC)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
18	Whole Blood	Trombocit/ Plaket (PLT)	Impedance Measurement, for blood-cell counting SFRI 5- Diff / Medonic 3-Diff, (Electronic counter)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood and capillary blood
19	Serum	Glucose (GLU)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	Blood sample taken venous or capillary with K3 EDTA anti- clotting, mixed for 10 minutes and placed in Electronic counter	Venous blood
20	Serum	Urea (BUN)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
21	Serum	Creatinine (CREA)	Absorbance	The blood sample	Venous blood

1	2	3	4	5	6
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			measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	
22	Serum	Total Protein (TP)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
23	Serum	Albumin (ALB)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
24	Serum	Total Cholesterol (CHOL)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
25	Serum	HDL Cholesterol (HDL- CHOL)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood

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26	Serum	Triglycerides (Tg)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
27	Serum	Bilirubin Total (T- BIL)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
28	Serum	Bilirubin Direct (D- BIL)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
29	Serum	Phosphorus (P)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
30	Serum	Iron (Fe)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
31	Serum	Alanine Aminotransferase	Absorbance measurements	The blood sample is taken,	Venous blood

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		(ALT)	(Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	
32	Serum	Alanine Aminotransferase (AST)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
33	Serum	Alkaline Phosphatase (ALP)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
34	Serum	Gama Glutamil Transferase (gGT)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
35	Serum	Lactace Dehydrogenase (LDH)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
36	Serum	Lactace Dehydrogenase (LDH)	Absorbance measurements (Photometry, turbodimetry)	The blood sample is taken, coagulated, centrifuged, the	Venous blood

1	2	3	4	5	6
No.	Biological sample	Analyte/ Component/ Parameter/ Characteristic	Examination technique/ Principle of examination	Procedure for examination used by laboratory	Other information (where applicable)
			Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	serum is separated and placed in an autoanalyzer	
37	Serum	Creatine Kinase (CK- NAC)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
38	Serum	Creatine Kinase (CK- MB)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
39	Serum	Amylase (AMY)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
40	Serum	Natrium (Na)	Electrochemistry (Direct ISE) I - Smart	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
41	Serum	Kalium (K)	Electrochemistry (Direct ISE) I - Smart	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
42	Serum	Chloride (Cl)	Electrochemistry	The blood sample	Venous blood

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			(Direct ISE) I - Smart	is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	
43	Serum	Calcium (Ca)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
44	Serum	Magnesium (Mg)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
45	Serum	Uric Acid (UA)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
46	Serum	Copper (Cu)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
47	Serum	Zink (Zn)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry	The blood sample is taken, coagulated, centrifuged, the serum is separated and	Venous blood

1	2	3	4	5	6
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			Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	placed in an autoanalyzer	
48	Serum	C- Reactiv Proteine (CRP)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
49	Serum	Antistreptolysin O (ASO)	Absorbance measurements (Photometry, turbodimetry) Selectra XL (Biochemistry Autoanalyzer) Integra 400 XL (Biochemistry Autoanalyzer)	The blood sample is taken, coagulated, centrifuged, the serum is separated and placed in an autoanalyzer	Venous blood
50	Urine	Bilirubin, Urobilinogen, Ketones, Ascorbic acid, Glucose, Protein, Blood, pH, Nitrite, Leucocytes	Reflectance photometry and transmission photometry UriSed 3 Pro (Automated Urine Chemistry Analyzer)	Urine collected from the patient without centrifugation is introduced into the autoanalyzer	Urine
51	Urine	Red Blood Cells (RBC); White Blood Cells (WBC); WBC Clumps (WBCc); Hyaline Casts (HYA); Pathological Casts (PAT); Squamous Epithelial Cells (EPI); Non- Squamous Epithelial Cells (NEC); Bacteria Cocci (BACc); Bacteria Rods (BACr); Yeast (YEA); Mucus (MUC); Sperm (SPRM); Crystals (CRY); Calcium- oxalate monohydrate	UriSed Technology: cuvette- based automated microscopy and image processin UriSed 3 Pro (Automated Urine Chemistry Analyzer)	Urine collected from the patient without centrifugation is introduced into the autoanalyzer	Urine

1	2	3	4	5	6
No.	Biological sample	Analyte/ Component/ Parameter/ Characteristic	Examination technique/ Principle of examination	Procedure for examination used by laboratory	Other information (where applicable)
		(CaOxm), Calcium-oxalate dihydrate (CaOxd), Uric acid (URI), Triple phosphate (TRI)			
52	Whole Blood	Erythrocyte sedimentation rate	Westergren ESR System	Manual	Blood

Ky aneks vlen për certifikatën e akreditimit me Nr.: LM 001/2022/0

This annex applies to the accreditation certificate No.:

Data e lëshimit: 26.04.2022

Issue date:

Zv. Menaxher i Cilesisë i DAK-së
Dep. Quality Manager of DAK