

**The Appendix is an integral part of
Certificate of Accreditation No. 269/2021 of 13/05/2021**

Accredited entity according to ČSN EN ISO 15189:2013:

Endokrinologický ústav
Laboratory Complement of the Institute of Endocrinology
Národní 139/8, 116 94 Praha 1

The Laboratory has a flexible scope of accreditation permitted as detailed in the Annex. Updated list of activities provided within the flexible scope of accreditation is available at the Laboratory website www.endo.cz/laboratorni-vysetreni/ or from the Laboratory Manager.

Examination:

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
801 – Clinical Biochemistry			
1.	Determination of mass concentration of total protein by photometry [Celková bílkovina]	SOPv-OKB-01	Serum
2.	Determination of proportion of amount-of-substance concentration of glycated haemoglobin HbA1c by ion-exchange HPLC method [Hemoglobin A1c]	SOPv-OKB-55	Whole blood
3.	Determination of catalytic concentration of alkaline phosphatase by photometry [ALP]	SOPv-OKB-06	Serum
4.	Determination of catalytic concentration of alanine aminotransferase by photometry [ALT]	SOPv-OKB-07	Serum
5.	Determination of catalytic concentration of alpha-amylase by photometry [Alfa-amyláza]	SOPv-OKB-08	Serum
6.	Determination of amount-of-substance concentration of 25-hydroxyvitamin D by ECLIA method [25-hydroxyvitamin D]	SOPv-OKB-09	Serum
7.	Determination of catalytic concentration of aspartate aminotransferase by photometry [AST]	SOPv-OKB-12	Serum
8.	Determination of amount-of-substance concentration of total bilirubin by photometry [Bilirubin celkový]	SOPv-OKB-14	Serum
9.	Determination of catalytic concentration of total creatinkinase by photometry [CK]	SOPv-OKB-15	Serum
10.	Determination of amount-of-substance concentration of glucose by photometry [Glukóza]	SOPv-OKB-16	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
11.	Determination of amount-of-substance concentration of inorganic phosphate (phosphorus) by photometry [Fosfor]	SOPv-OKB-20	Serum
12.	Determination of catalytic concentration of gamma-glutamyltransferase by photometry [GGT]	SOPv-OKB-23	Serum
13.	Determination of amount-of-substance concentration of magnesium by photometry [Hořčík]	SOPv-OKB-24	Serum
14.	Determination of amount-of-substance concentration of total cholesterol by photometry [Cholesterol]	SOPv-OKB-26	Serum
15.	Determination of amount-of-substance concentration of HDL cholesterol by photometry [HDL Cholesterol]	SOPv-OKB-27	Serum
16.	Determination of amount-of-substance concentration of LDL cholesterol by photometry [LDL Cholesterol]	SOPv-OKB-28	Serum
17.	Determination of amount-of-substance concentration of uric acid by photometry [Kyselina močová]	SOPv-OKB-32	Serum
18.	Determination of amount-of-substance concentration of triacylglycerols by photometry [Triacylglyceroly]	SOPv-OKB-41	Serum
19.	Determination of amount-of-substance concentration of urea by photometry [Urea]	SOPv-OKB-44	Serum
20.	Determination of amount-of-substance concentration of total calcium by photometry [Vápník celkový]	SOPv-OKB-46	Serum
21.	Determination of amount-of-substance concentration of iron by photometry [Železo]	SOPv-OKB-47	Serum
22.	Determination of amount-of-substance concentration of sodium ions by potentiometry by ion selective electrode [Natrium]	SOPv-OKB-48	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
23.	Determination of amount-of-substance concentration of potassium ions by potentiometry by ion selective electrode [Kalium]	SOPv-OKB-50	Serum
24.	Determination of amount-of-substance concentration of ionized calcium by potentiometry by ion selective electrode [Vápník ionizovaný]	SOPv-OKB-75	Serum
25.	Determination of amount-of-substance concentration of creatinine by photometry [Kreatinin]	SOPv-OKB-64	Serum
26.	Photometric determination of the mass concentration of iodine and calculation of the daily iodine waste [Jodurie bazální]; [Jodurie-denní odpad]; [Jodurie U]	SOPv-OSP-15	Urine
813 – Allergology and Immunology Laboratory			
1.	Determination of mass concentration of C-reactive protein by immunoturbidimetry [CRP]	SOPv-OKB-18	Serum
2.	Determination of antinuclear autoantibodies by indirect immunofluorescence method [Protil. proti buň. jádrům]	SOPv-OKIE-12	Serum
3.	Determination of IgA anti-endomysial autoantibodies by indirect immunofluorescence method [Protil. proti Endomysiu IgA]	SOPv-OKIE-14	Serum
4.	Determination of anti-ds-DNA autoantibodies by indirect immunofluorescence method [Protil. proti ds-DNA]	SOPv-OKIE-18	Serum
815 – Nuclear Medicine Laboratory			
1.	Determination of arbitrary amount-of-substance concentration of thyrotropin by ECLIA method [TSH]	SOPv-OKB-02	Serum
2.	Determination of mass concentration of β -CrossLaps by ECLIA method [β -CrossLaps]	SOPv-OKB-13	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
3.	Determination of amount-of-substance concentration of C-peptide by ECLIA method [C-peptid]	SOPv-OKB-17	Serum
4.	Determination of arbitrary amount-of-substance concentration of insulin by ECLIA method [Inzulín]	SOPv-OKB-29	Serum
5.	Determination of mass concentration of osteocalcin by ECLIA method [Osteokalcin]	SOPv-OKB-33	Serum
6.	Determination of amount-of-substance concentration of biointact parathormone by ECLIA method [PTH 1-84]	SOPv-OKB-74	Serum
7.	Determination of mass concentration of prolactin by ECLIA method [Prolaktin]	SOPv-OKB-35	Serum
8.	Determination of amount-of-substance concentration of free triiodothyronine by ECLIA method [Free T3]	SOPv-OKB-38	Serum
9.	Determination of amount-of-substance concentration of free thyroxine by ECLIA method [Free T4]	SOPv-OKB-40	Serum
10.	Determination of mass concentration of thyroglobulin by ECLIA method [Tyreoglobulin]	SOPv-OKB-42	Serum
11.	Determination of arbitrary amount-of-substance concentration of autoantibodies to TSH receptors by ECLIA method [Protil. proti TSH receptorům]	SOPv-OKB-59	Serum
12.	Determination of mass concentration of growth hormone by ECLIA method [Růstový hormon]	SOPv-OKB-61	Serum
13.	Determination of amount-of-substance concentration of estradiol by ECLIA method [Estradiol]	SOPv-OKB-62	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
14.	Determination of amount-of-substance concentration of progesterone by ECLIA method [Progesteron]	SOPv-OKB-63	Serum
15.	Determination of arbitrary amount-of-substance concentration of lutropin by ECLIA method [LH]	SOPv-OKB-66	Serum
16.	Determination of arbitrary amount-of-substance concentration of folitropin by ECLIA method [FSH]	SOPv-OKB-67	Serum
17.	Determination of mass concentration of calcitonin by ECLIA method [Kalcitonin]	SOPv-OKB-68	Serum
18.	Determination of arbitrary substance concentration of anti-TPO autoantibodies by ELISA method [Protil. proti TPO]	SOPv-OKIE-21	Serum
19.	Determination of arbitrary substance concentration of anti-thyroglobulin autoantibodies by ELISA method [Protil. proti tyreoglobulinu]	SOPv-OKIE-22	Serum
20.	Determination of molar concentration of aldosterone upright or supine by RIA method [Aldosteron vsedě]; [Aldosteron vleže]	SOPv-OSP-02	Serum
21.	Determination of molar concentration of dehydroepiandrosterone sulphate by RIA method [DHEA-sulfát]	SOPv-OSP-04	Serum
22.	Determination of molar concentration of 17 α -hydroxyprogesterone by RIA method [17-hydroxyprogesteron]	SOPv-OSP-05	Serum
23.	Determination of molar concentration of morning cortisol or afternoon cortisol by RIA method [Kortizol-S odběr ráno]; [Kortizol-S odběr odpoledne]	SOPv-OSP-06	Serum
24.	Determination of molar concentration of Sex Hormone-Binding Globulin by IRMA method [SHBG]	SOPv-OSP-08	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
25.	Determination of plasma renin activity upright and plasma renin activity supine – calculated indirectly using the determination of the mass concentration of Angiotensin I by RIA method [plazm. reninová aktivita vsedě]; [plazm. reninová aktivita vleže]	SOPv-OSP-14	Plasma
26.	Determination of the mass concentration of renin upright and renin supine by IRMA method [renin vsedě]; [renin vleže]	SOPv-OSP-17	Plasma
816 – Medical Genetics Laboratory			
1.	Examination of gene* by Sanger sequencing	SOPv-OME-01	Blood, tissue (FNAB, frozen tissue, paraffin block)
2.	Examination of gene** by massive parallel sequencing	SOPv-OME-02	Blood, tissue (FNAB, frozen tissue, paraffin block)
3.	Examination of somatic mutation V600E in BRAF gene by allele specific Real-Time PCR	SOPv-OME-03	Tissue (FNAB, frozen tissue, paraffin block)
4.	Examination of genes by massively parallel sequencing using Thyro-ID panel***	SOPv-OME-04	Tissue (FNAB, frozen tissue, paraffin block)
5.	Examination of genes by massively parallel sequencing using Parathyroid panel****	SOPv-OME-05	Blood, tissue (frozen tissue, paraffin block)

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

Annex:

Flexible scope of accreditation

Examination procedure ordinal numbers
Field 816: no. 1, 2

The Laboratory is allowed to modify the examination procedures listed in the Annex within the specified scope of accreditation provided the measuring principle is observed

The flexible approach to the scope of accreditation cannot be applied to the examinations not included in the Annex.

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Explanatory notes:

FNAB: Thyroid tissue obtained by fine needle aspiration biopsy

Examined genes:

* *RET, TERT, MEN1*

** *BRAF, RET, MEN1, CaSR, HRAS, KRAS, NRAS* using NexteraXT kit

*** *KRAS, NRAS, HRAS, BRAF, EGFR, TP53, PTEN, PIK3CA, CDKN2A, NOTCH, CTNNB1, AKT1, TERT, TSHR*

**** *AIP, AIRE, AP2S1, CaSR, CDC73, CDKN1A, CDKN1B, CDKN2B, CDKN2C, GATA3, GCM1, GCM2, GNA11, MEN1, PTH, RET, STX16*