

**The Appendix is an integral part of  
Certificate of Accreditation No. 259/2024 of 04/06/2024**

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

**Laboratoře Mikrochem a.s.**  
CAB Number 8062, Mikrochem Laboratories  
Nezvalova 984/2, Hodolany, 779 00 Olomouc

**Medical laboratory locations:**

- |    |                                       |   |
|----|---------------------------------------|---|
| 1. | <b>Workplace Olomouc</b>              | Nezvalova 984/2, 779 00 Olomouc             |
| 2. | <b>Workplace Přerov</b>               | Čechova 988/8, 750 02 Přerov                |
| 3. | <b>Workplace Šumperk</b>              | Nerudova 1195/34, 787 01 Šumperk            |
| 4. | <b>Workplace Valašské Meziříčí</b>    | Vsetínská 854/60a, 757 01 Valašské Meziříčí |
| 5. | <b>Sample Collection Room Šumperk</b> | Dr. E. Beneše 2871/5, 787 01 Šumperk        |

*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 [www.michem.cz](http://www.michem.cz)*

**1. Workplace Olomouc**

**Examinations:**

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>802 – Medical Microbiology</b>					
1.	Quantitative microbiological examination of urine	Aerobic culture (automated)	Commercial procedure	Urine	A, B
2.	Qualitative microbiological examination of urine	Microscopy; Aerobic culture (manual)	Published procedure	Urine	A, B
3.	Bacteriological examination of rectal swab	Aerobic culture	Published procedure	Rectal swab	A, B
4.	Microbiological examination of clinical material from upper respiratory tract	Aerobic culture	Published procedure	Clinical material	A, B, D
5.	Microbiological examination of clinical material from lower respiratory tract	Microscopy; Aerobic culture	Published procedure	Clinical material	A, B, D
6.	Microbiological examination of clinical material from urogenital tract	Aerobic culture	Published procedure	Clinical material	A, B, D

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<b>Ordinal Number</b>	<b>Analyte/ parameter/diagnostics</b>	<b>Principle of examination</b>	<b>Identification of procedure/equipment</b>	<b>Examined material</b>	<b>Degrees of freedom<sup>1</sup></b>
7.	Microbiological examination of clinical material from eye, ear	Aerobic culture	Published procedure	Clinical material	A, B, D
8.	Microbiological examination clinical material from primarily sterile body fluids	Microscopy; Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
9.	Microbiological examination of clinical material	Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
10.	Microbiological examination of clinical material	Microscopy; Aerobic culture; Anaerobic culture	Published procedure	Pus	A, B
11.	Microbiological examination of foreign bodies	Aerobic culture; Anaerobic culture	Published procedure	Foreign bodies	A, B, D
12.	Antibiotic susceptibility testing	Disk diffusion test	Published procedure	Bacterial culture	A, B
13.	Identification of the microorganisms	Phenotyping	Published procedure	Microbial culture	A, B
14.	Identification of bacteria	Agglutination	Published procedure	Bacterial culture	A, B
15.	Antibodies against infectious agents	Immunoassay with photometric detection (automated)	Commercial procedure	Serum	A, B, C
16.	Antibodies against infectious agents	Immunoassay with photometric detection (manual)	Commercial procedure	Serum	A, B, C
17.	Antibodies against infectious agents	Imunoblotting (manual)	Commercial procedure	Serum	A, B, C

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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
18.	Antigens of infectious agents	Immunoassay with photometric detection (manual)	Commercial procedure	Serum	A, B, C
19.	Antibodies against infectious agents	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
20.	Antigens of infectious agents	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
21.	Nucleic acids of infectious agents	Real-Time PCR (manual)	Commercial procedure	Vaginal swab, cervical swab, urethral swab	A, B, C
22.	Antibodies against infectious agents	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
23.	Stool Ova and Parasite Test	Microscopy	Published procedure	Stool	A
24.	Enterobiasis examination	Microscopy	Published procedure	Perianal imprint	A
25.	HIV markers	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
<b>813 - Allergy and Immunology Laboratory</b>					
1.	Antinuclear autoantibodies (ANA)	Indirect immunofluorescence (manual)	Commercial procedure	Serum	A, B
2.	Immunoglobulins	Immunonephelometry (automated)	Commercial procedure	Serum	A, B
3.	Antibodies against tissue transglutaminase	Immunoassay with photometric detection (manual)	Commercial procedure	Serum	A, B

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**Primary sample collection:**

<b>Ordinal Number</b>	<b>Sample collection technique</b>	<b>Identification of sample collection procedure</b>	<b>Collected material</b>	<b>Degrees of freedom<sup>1</sup></b>
1	Swab	Published procedure	Swab from throat, tonsils, nasopharynx, nose, rectum	A, B
2	Smear	Published procedure	Perianal imprint	A
3	Venepuncture	Published procedure	Venous blood	A, B

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**2. Workplace Přerov**

**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>802 – Medical Microbiology</b>					
1.	Quantitative microbiological examination of urine	Aerobic culture	Published procedure	Urine	A, B
2.	Microbiological examination of rectal swab	Aerobic culture	Published procedure	Rectal swab	A, B
3.	Microbiological examination of clinical material from upper respiratory tract	Aerobic culture	Published procedure	Clinical material	A, B, D
4.	Microbiological examination of clinical material from lower respiratory tract	Microscopy; Aerobic culture	Published procedure	Clinical material	A, B, D
5.	Microbiological examination of clinical material from urogenital tract	Aerobic culture	Published procedure	Clinical material	A, B, D
6.	Microbiological examination of clinical material from eye, ear	Aerobic culture	Published procedure	Clinical material	A, B, D
7.	Microbiological examination clinical material from primarily sterile body fluids	Microscopy; Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
8.	Microbiological examination of clinical material	Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
9.	Microbiological examination of clinical material	Microscopy; Aerobic culture;	Published procedure	Pus	A, B

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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
		Anaerobic culture			
10.	Microbiological examination of foreign bodies	Aerobic culture; Anaerobic culture	Published procedure	Foreign bodies	A, B, D
11.	Antibiotic susceptibility testing	Disk diffusion test	Published procedure	Bacterial culture	A, B
12.	Identification of the microorganisms	Phenotyping	Published procedure	Microbial culture	A, B
13.	Identification of bacteria	Agglutination	Published procedure	Bacterial culture	A, B

**Primary sample collection:**

Ordinal Number	Sample collection technique	Identification of sample collection procedure	Collected material	Degrees of freedom <sup>1</sup>
1	Swab	Published procedure	Swab from throat, tonsils, nasopharynx, nose, rectum	A, B
2	Smear	Published procedure	Perianal imprint	A
3	Venepuncture	Published procedure	Venous blood	A, B

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**3. Workplace Šumperk**

**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>802 – Lékařská mikrobiologie</b>					
1.	Quantitative microbiological examination of urine	Aerobic culture	Published procedure	Urine	A, B
2.	Microbiological examination of rectal swab	Aerobic culture	Published procedure	Rectal swab	A, B
3.	Microbiological examination of clinical material from upper respiratory tract	Aerobic culture	Published procedure	Clinical material	A, B, D
4.	Microbiological examination of clinical material from lower respiratory tract	Microscopy; Aerobic culture	Published procedure	Clinical material	A, B, D
5.	Microbiological examination of clinical material from urogenital tract	Aerobic culture	Published procedure	Clinical material	A, B, D
6.	Microbiological examination of clinical material from eye, ear	Aerobic culture	Published procedure	Clinical material	A, B, D
7.	Microbiological examination clinical material from primarily sterile body fluids	Microscopy; Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
8.	Microbiological examination of clinical material	Microscopy; Aerobic culture; Anaerobic culture	Published procedure	Pus	A, B

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<b>Ordinal Number</b>	<b>Analyte/ parameter/diagnostics</b>	<b>Principle of examination</b>	<b>Identification of procedure/equipment</b>	<b>Examined material</b>	<b>Degrees of freedom<sup>1</sup></b>
9.	Microbiological examination of foreign bodies	Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
10.	Microbiological examination of clinical material	Aerobic culture; Anaerobic culture	Published procedure	Clinical material	A, B, D
12.	Antibiotic susceptibility testing	Disk diffusion test	Published procedure	Bacterial culture	A, B
12.	Identification of the microorganisms	Phenotyping	Published procedure	Microbial culture	A, B
13.	Identification of bacteria	Agglutination	Published procedure	Bacterial culture	A, B
14.	Detection of mycobacteria	Microscopy; Aerobic culture	Published procedure	Clinical material	A, B, D
15.	Detection of mycobacteria	Immunochromatography	Commercial procedure	Mycobacterial culture	A, B
16.	Antibodies against infectious agents	Immunoblotting	Commercial procedure	Serum	A, B
17.	Stool Ova and Parasite Test	Microscopy	Published procedure	Stool	A
18.	Enterobiasis examination	Microscopy	Published procedure	Perianal imprint	A
19.	Machine sterilization efficacy test	Biological and chemical indicators	Published procedure	Steam, hot air and formaldehyde sterilizers	A, B
20.	Antibodies against infectious agents	Immunoassay with photometric detection	Commercial procedure	Serum	A, B, C



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**4. Workplace Valašské Meziříčí**

**Primary sample collection:**

<b>Ordinal Number</b>	<b>Sample collection technique</b>	<b>Identification of sample collection procedure</b>	<b>Collected material</b>	<b>Degrees of freedom<sup>1</sup></b>
1	Swab	Published procedure	Swab from throat, tonsils, nasopharynx, nose, rectum	A, B
2	Smear	Published procedure	Perianal imprint	A
3	Venepuncture	Published procedure	Venous blood	A, B

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**5. Sample Collection Room Šumperk**

**Primary sample collection:**

Ordinal Number	Sample collection technique	Identification of sample collection procedure	Collected material	Degrees of freedom <sup>1</sup>
1	Swab	Published procedure	Swab from throat, tonsils, nasopharynx, nose, rectum	A, B
2	Smear	Published procedure	Perianal imprint	A
3	Venepuncture	Published procedure	Venous blood	A, B

**Explanatory notes:**

<sup>1</sup> 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.

Real-Time PCR          Polymerase chain reaction in real time

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*"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. "*