

2025

EXTERNAL QUALITY ASSESSMENT SCHEMES



EQA programs are invaluable tools used by laboratories to periodically assess their performance by means of interlaboratory comparisons.

Results are objectively compared between laboratories using:

- the same working method or different methods;
- the same equipment or different equipment;
- the same producer of reagents or different producers.

Comparison of all results provides insight into performance that is not available to the individual participants. Moreover, the information offers a basis for quality improvement initiatives.

EQA evaluation reports also offer a comparison of different methods and equipment for the same test; thus, providing an assessment of reliability. Besides the use of daily quality controls, the external quality programs enhance confidence in reporting patient test results.



ISO 17043



ISO 9001

todylaboratories® is an authorized EQA Schemes administrator ISO 17043 accredited for clinical laboratories.

- EQA Schemes are fully accredited to help meet the current regulatory needs of clinical laboratories.
- the evaluation reports with Z score calculation and graphical representation of result's Bias to facilitate monitoring the evolution over time of this essential performance indicator;
- ranges for the following areas: Biochemistry, ESR, Gynaecological Pathology Hematology, HIV Antibodies, Hepatitis A, Hepatitis B+C, Hormones and tumor markers, Infection Disease Serology, Mycology, Microbiology, Parasitology, Preanalytical phase, Transfusion - Immunohematology, Urine Chemistry.



Dedicated website

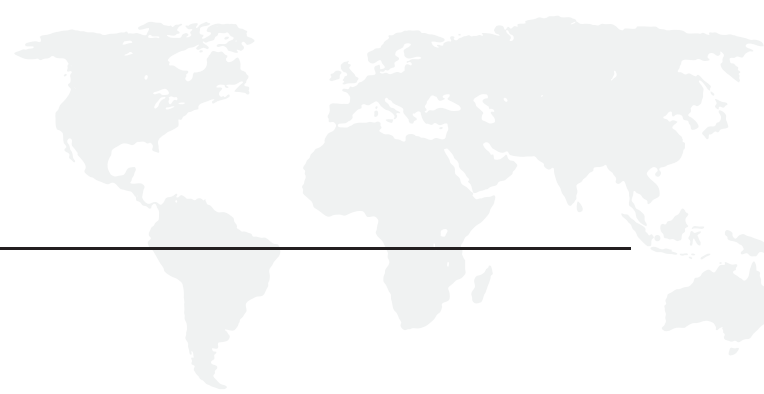
The results can be uploaded by each participant onto our dedicated website, under strict confidential and secure conditions using a unique username and password. The evaluation reports for each survey can be downloaded in the same secure manner by each participant.

 www.todylaboratories.com



Frequency of participation

Each participating laboratory can choose any number of months, even 12 months per year, for enrolling to our schemes, according to own quality assurance strategy. This flexibility in terms of periodicity and frequency of participation proves adequate to satisfy the needs of each laboratory and also allows the creation of data archives for a historical analysis of the laboratory performance.






PARTICIPATION FLOW

- 1 Create account and register at www.todylaboratories.com or contact us to place an order. After registering the 1st order, each laboratory is given a unique participation code.



- 2 Order desired EQA schemes using www.todylaboratories.com dedicated area; choose the product category and select the participation months.

home  **order now**  **permits**


A) 

ORDER TYPE


PURCHASE ORDER

FREE SAMPLES ORDER

EQAS budget estimate & sign up

B) 


EQA schemes clinical chemistry
 EQA schemes coagulation
 EQA schemes electrophoresys
 EQA schemes esr
 EQA schemes hematology
 EQA schemes hepatitis hiv

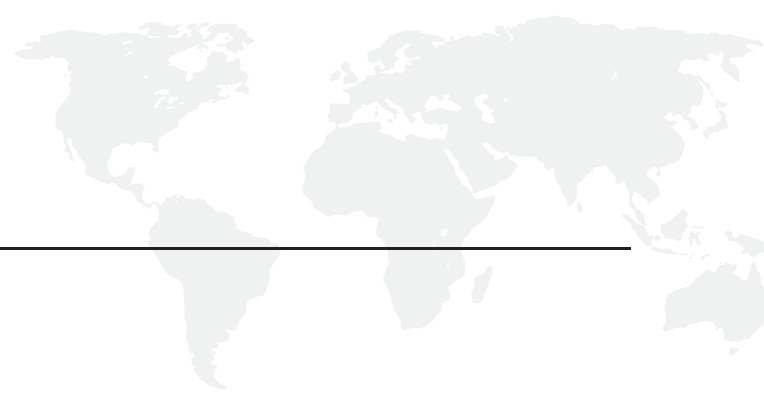
C) 

Please choose the product category and select the participation months for the desired programs.

General Biochemistry, TQBC0020

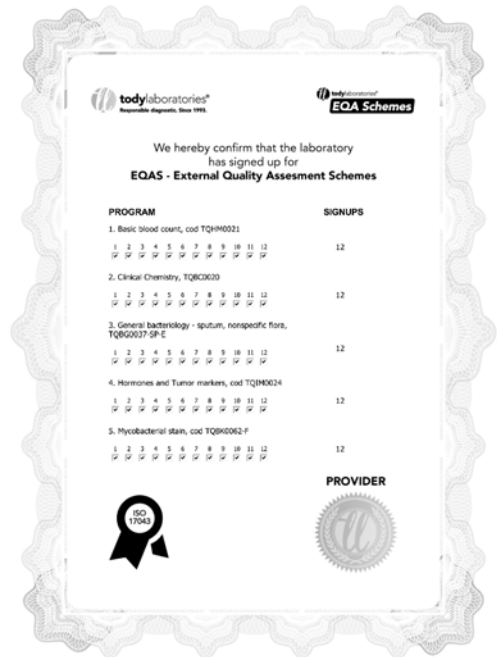
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D) 



PARTICIPATION FLOW

- 3** After your laboratory order is confirmed, the documents attesting the registration to the respective programs are sent to you by e-mail.

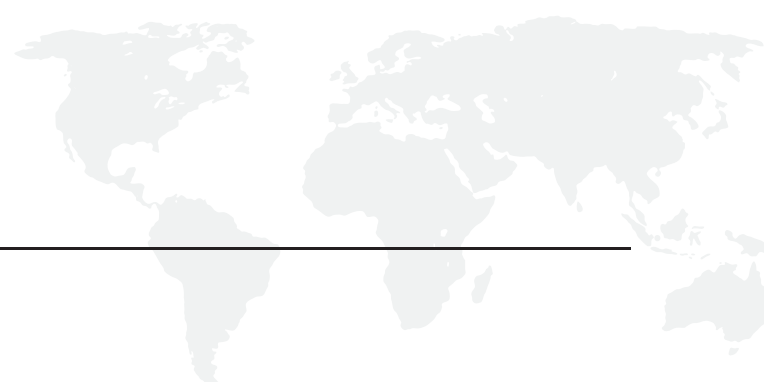


- 4** The ordered samples are shipped to you. All specimens ordered for the same month of participation are sent in one package.



- 5** Test specimens as a patient sample under routine laboratory conditions and strictly following the attached instructions for use.





PARTICIPATION FLOW

- 6** Submit results before the deadline set for each program through our website, www.todylaboratories.com.

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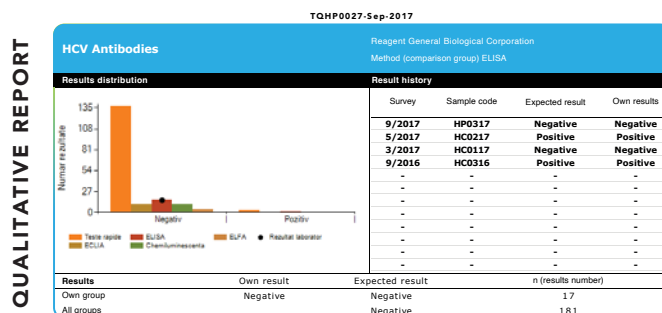
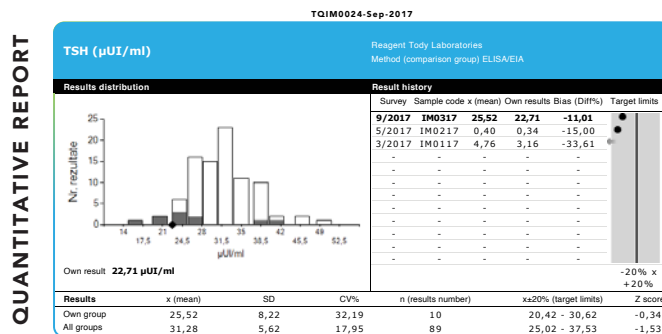
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- 7** Review your evaluation reports - qualitative or quantitative - and assess your performance.



PARTICIPATION FLOW

- 8 At the end of one EQAS cycle, a participation certificate is issued. This includes all the EQA programs to which the laboratory has participated.



- 9 Continue to evaluate the performance of your lab by participating in the next cycle.

ANATOMICAL PATHOLOGY

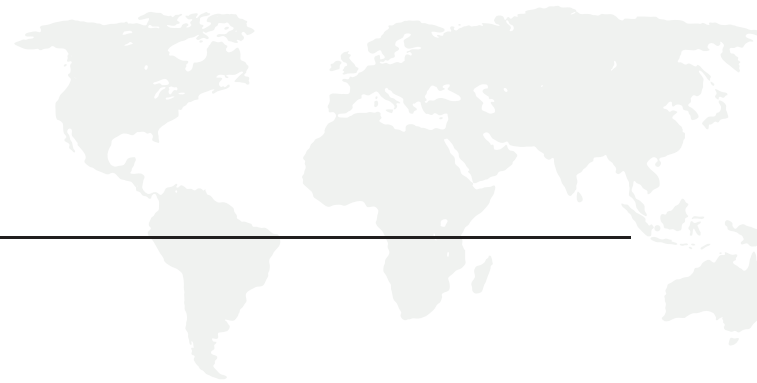
ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION															
			3	4	5	9	10	11										
ISO 17043	TQBP0050	Gynaecological cytology, Babes-Papanicolaou stained smear - 3 virtual microscopy images / participation of 1 Babes-Papnicolaou stained slide of liquid based pap sample, 1 evaluation report																

BIOCHEMISTRY

ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION															
			1	2	3	4	5	6	7	8	9	10	11	12				
ISO 17043	TQBC0020	Clinical chemistry - 1 sample, 1 evaluation report, analytes: ALT, Uric acid, ALP, Amylase, AST, Total bilirubin, Direct bilirubin, Indirect bilirubin, Ionized calcium, Total calcium, Cholesterol, Cholesterol HDL, Cholesterol LDL, Creatinine, Iron, Gamma GT, Glucose, Chloride, Sodium, Potassium, Phosphorus, LDH, Magnesium, Protein, Triglycerides, Urea, Albumin, Pancreatic amylase, TIBC, Total CK, CK-MB, Lipase, Copper, CO ₂ , Zinc																
-	TQBC0020-R	Clinical Chemistry - reference method values - 1 sample, 1 evaluation report, analytes: Cholesterol, Creatinine, Glucose, Sodium, Potassium, Magnesium, Copper, Zinc, Lithium. For all analytes, values obtained by reference methods are available; depending on the batch of samples, it is possible that the list of these analytes may vary.			3		5			9			11					
ISO 17043	TQEF0031	Protein electrophoresis - 1 sample, 1 evaluation report, analytes: Albumin, A1-globulin, A2-globulin, Beta1-globulin, Beta 2-globulin, Total Beta globulins, Gamma-globulins, Total proteins			3	4	5			9	10	11						
ISO 17043	TQHG0026	HbA1c - 1 sample, 1 evaluation report, 1 analyte: glycated haemoglobin	1	2	3	4	5	6	7	8	9	10	11	12				
-	TQCM0071	Cardiac Markers - 1 sample, 1 evaluation report, analytes: CK Total, CK-MB (Activity), CK-MB (Mass), Homocysteine, Myoglobin, Troponin I, Troponin T	1	2	3	4	5	6	7	8	9	10	11	12				
-	TQGB0070	Blood gas analysis - 1 sample, 1 evaluation report, analytes: Calcium ion, Chloride, Glucose, Lactate, Magnesium, pCO ₂ , pH, pO ₂ , Potassium, Sodium	1	2	3	4	5	6	7	8	9	10	11	12				

URINE CHEMISTRY

ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION															
			3	4	5	6	9	10	11	12								
ISO 17043	TQOU0043	Urine, quantitative chemistry - 1 sample, 1 evaluation report, analytes: Protein, Glucose, Microalbumin (quantitative), Creatinine (quantitative), Uric Acid, Calcium, Chloride, Cortisol, Magnesium, Osmolality, Phosphorus, Potassium, Sodium, Urea, Amylase			3	4	5	6			9	10	11	12				
ISO 17043	TQUR0022	Urine, urine strip test and identification of cells and other particles - 1 sample, 1 evaluation report, Strip test - analytes: Ascorbic acid, Blood, Glucose, hCG, Ketones, Leukocytes, Nitrite, pH, Protein, Relative density, Albumin, Bilirubin, Urobilinogen. Identification of cells and other particles - leukocytes, erythrocytes, casts, crystals and other particles	1	2	3	4	5	6	7	8	9	10	11	12				
-	TQUO0072	Urine, narcotic drugs - 1 sample, 1 evaluation report, analytes: Amphetamine, Methamphetamine, MDMA (Ecstasy), Barbiturate-Phenobarbital, Benzodiazepin-Lorazepam,-Cannabinoids, Benzoyllecgonine, Buprenorphine, EDDP, Methadone, Morphine, LSD	1	2	3	4	5	6	7	8	9	10	11	12				



HEMATOLOGY

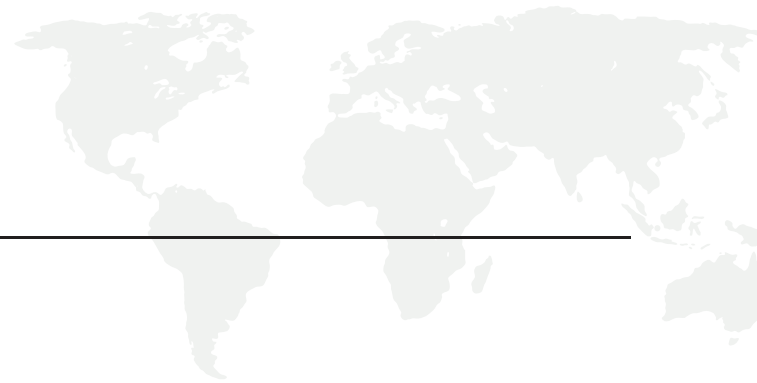
ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION											
			1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQCO0023	Coagulation - 1 sample, 1 evaluation report, analytes: Prothrombin Time (Quick's time, prothrombin index% and INR), APTT, Fibrinogen	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQHM0021	Basic blood count - 1 sample, 1 evaluation report, analytes: Hb, HCT, RBC, WBC, PLT, MCV, MCH, MCHC, MPV, RDW-SD, RDW-CV, LYM, MON, PCT, PDW-SD, PDW-CV	1	2	3	4	5	6	7	8	9	10	11	12
-	TQH50060-AB	Basic blood count 5-diff ABBOTT - 1 sample compatible with: ABBOTT SAPPHIRE, ABBOTT CD-4000, ABBOTT RUBY, ABBOTT CD-3200, ABBOTT CD-3500/3700, ABBOTT 3000, BIOCODE HYCEL DIANA / XENIA, NIHON KODEN CELLTAC E/F, BIOCODE HYCEL EXCELL 22/2280. 1 evaluation report, analytes: Hb, HCT, RBC, WBC, PLT, MCV, MCH, MCHC, MPV, RDW-SD, RDW-CV, PCT, PDW-SD, PDW-CV, LYM, MON, NEU, EOS, BAS			3		5				9		11	
-	TQH50060-BC	Basic blood count 5-diff BECKMAN COULTER - 1 sample compatible with: COULTER DxH800/600, COULTER LH 700 series, COULTER LH 500, COULTER GENS, COULTER HMX, COULTER STKS / MAXM. 1 evaluation report, analytes: Hb, HCT, RBC, WBC, PLT, MCV, MCH, MCHC, MPV, RDW-SD, RDW-CV, PCT, PDW-SD, PDW-CV, LYM, MON, NEU, EOS, BAS			3		5				9		11	
-	TQH50060-MY	Basic blood count 5-diff MINDRAY - 1 sample compatible with: MINDRAY BC-5800, MINDRAY BC-5600, MINDRAY BC-5500, MINDRAY BC-5200, MINDRAY BC-5380, MINDRAY BC-5300/5300 vet, MINDRAY BC-5100/5100 vet, MINDRAY BC-5000/5000 vet, MINDRAY BC-5150, MINDRAY BC-5180. 1 evaluation report, analytes: Hb, HCT, RBC, WBC, PLT, MCV, MCH, MCHC, MPV, RDW-SD, RDW-CV, PCT, PDW-SD, PDW-CV, LYM, MON, NEU, EOS, BAS			3		5				9		11	
-	TQH50060-AD	Basic blood count 5-diff SIEMENS - 1 sample compatible with: SIEMENS ADVIA series 2120, SIEMENS ADVIA series 120, SIEMENS ADVIA 60, SIEMENS ADVIA 70, SIEMENS H*1 / H*2 / H*3. 1 evaluation report, analytes: Hb, HCT, RBC, WBC, PLT, MCV, MCH, MCHC, MPV, RDW-SD, RDW-CV, PCT, PDW-SD, PDW-CV, LYM, MON, NEU, EOS, BAS			3		5				9		11	
-	TQH50060-SX	Basic blood count 5-diff SYSMEX - 1 sample compatible with: SYSMEX XN-Series, SYSMEX XE Series, SYSMEX XT Series, SYSMEX XS Series, SYSMEX KX-21. 1 evaluation report, analytes: Hb, HCT, RBC, WBC, PLT, MCV, MCH, MCHC, MPV, RDW-SD, RDW-CV, PCT, PDW-SD, PDW-CV, LYM, MON, NEU, EOS, BAS			3		5				9		11	
ISO 17043	TQAB0033	ABO and Rh grouping - 1 sample, 1 evaluation report, analytes: ABO and Rh grouping	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQFL0036	Evaluation of blood cell morphology - 1 sample, 1 evaluation report, 2 analytes: Leucocyte differential count (manual method), evaluation of blood cell morphology			3	4	5				9	10	11	
ISO 17043	TQRT0047	Reticulocyte count, manual and automated method - 1 sample, 1 evaluation report, 1 analyte: reticulocyte count, manual and automated method			3	4	5				9	10	11	
ISO 17043	TQVS0032	ESR Erythrocyte sedimentation rate - 1 sample, 1 evaluation report, analyte: ESR, manual and automated methods, no suitable for Alifax instruments	1	2	3	4	5	6	7	8	9	10	11	12

IMMUNOLOGY

ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION											
			1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQFB0044	FOB, Faecal occult blood - 1 sample, 1 evaluation report, 1 analyte: Haemoglobin	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQGS0052	Giardia intestinalis, antigen detection - 1 sample, 1 evaluation report. Stool samples. Analytes: Ag. Giardia intestinalis detection, rapid tests			3		5				9		11	
ISO 17043	TQHE0035	Helicobacter pylori, Antibodies - 1 serum sample, 1 evaluation report, analyte: detection of antibodies against Helicobacter pylori			3	4	5				9	10	11	
ISO 17043	TQHS0045	Helicobacter pylori, Antigen detection in faeces - 1 sample, 1 evaluation report, analyte: Helicobacter pylori antigen	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQHP0069	Hepatitis A - 1 evaluation report, 2 analytes: HAV IgM + HAV total antibodies			3	4	5	6			9	10	11	12
ISO 17043	TQHP0027	Hepatitis B and C - 1 evaluation report, analytes: HBs Ag, anti-HCV, anti-HBc, anti-HBs, anti-Hbc IgM, Ag Hbe, anti-Hbe	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQHV0028	HIV 1+2, antibodies - 1 sample, 1 evaluation report, 1 analyte: HIV Ab	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQIM0024	Hormones and Tumor markers, quantitative and qualitative results, serum - 1 sample, 1 evaluation report, analytes: quantitative results from serum - T3, T4, Free T3, Free T4, TSH, LH, FSH, Estradiol, Progesterone, Testosterone, Prolactin, hCG, CEA, AFP, PSA, Free PSA, CA 125, CA 19-9, CA 15-3, CK, HGH, IgE, C-peptide, Insulin, Ferritin, 17-OH progesterone, Cortisol, Free-Estriol, DHEA-S, PTH, TPO Ab, ACTH, Vit B12, Folic Acid; qualitative results from serum - TSH, CEA, AFP, Prolactin, PSA, IgE.	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQSR0030	Specific proteins - 1 sample, 1 evaluation report, analytes: ASO, CRP, RF, C3, C4, IgA, IgG, IgE, IgM. Results are reported using qualitative, quantitative and semi-quantitative methods	1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043	TQSS0034	Syphilis serology - 1 sample, 1 evaluation report, analytes: RPR, VDRL, TPHA, Syphilis antibodies	1	2	3	4	5	6	7	8	9	10	11	12
-	TQTC0055	TORCH - 1 sample, 1 evaluation report, analytes: Toxoplasma gondii IgG+IgM, Rubella IgG+IgM, CMV IgG+IgM, Herpes 1/2 IgG+IgM			3		5				9		11	

MICROBIOLOGY

ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION											
			1	2	3	4	5	6	7	8	9	10	11	12
ISO 17043 - 12.2024	TQBG0037-E	General bacteriology - 1 sample from any of the following: cervical swab, urethral swab, ear swab, nasal swab, conjunctival swab, throat swab, faecal culture, urine culture etc, 1 evaluation report. Lyophilised bacteria. Analytes: culture, identification of pathogens and antimicrobial susceptibility testing			3	4	5				9	10	11	
ISO 17043 - 12.2024	TQCP0038-E	Faecal culture - 1 sample, 1 evaluation report, Lyophilised bacteria. Analytes: culture, identification of pathogens and antimicrobial susceptibility testing			3	4	5				9	10	11	
ISO 17043 - 12.2024	TQEX0040-E	Throat streptococcal culture - 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: culture, identification of pathogens and determination of antibiotic resistance sensitivity			3	4	5				9	10	11	
ISO 17043 - 12.2024	TQFN0048-416	Fungal culture-pus - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains			3	4	5				9	10	11	







ISO 17043 - 12.2024	TQFN0048-EX	Fungal culture-throat - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-CP	Fungal culture-stool - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-415	Fungal culture-conjunctival swab - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-414	Fungal culture-nasal swab - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-413	Fungal culture-ear swab - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-411	Fungal culture-urethral swab - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-412	Fungal culture-vaginal swab - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQFN0048-UC	Fungal culture-urine - 1 sample, 1 evaluation report. Lyophilised fungus. Analytes: culture, identification, antimycotic susceptibility testing of yeast strains	3	4	5				9	10	11
ISO 17043 - 12.2024	TQSB0415-E	Conjunctival swab - 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: culture, identification of pathogens and antimicrobial susceptibility testing	3	4	5				9	10	11
ISO 17043 - 12.2024	TQSB0414-E	Nasal swab - investigation for carriage of MRSA, MSSA, Streptococcus pyogenes. 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: culture, identification	3	4	5				9	10	11
ISO 17043 - 12.2024	TQSB0413-E	Ear swab - 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: culture, identification of pathogens and antimicrobial susceptibility testing	3	4	5				9	10	11
ISO 17043 - 12.2024	TQSB0416-E	Pus - 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: culture, identification of pathogens and antimicrobial susceptibility testing	3	4	5				9	10	11
ISO 17043 - 12.2024	TQSB0411-E	Urethral swab - 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: isolation of pathogens, culture and antimicrobial susceptibility testing	3	4	5				9	10	11
ISO 17043 - 12.2024	TQSB0412-E	Cervical swab - 1 sample, 1 evaluation report. Lyophilised bacteria. Analytes: isolation of pathogens, culture and antimicrobial susceptibility testing	3	4	5				9	10	11
ISO 17043 - 12.2024	TQUC0039	Urine culture - 1 sample, 1 evaluation report. Lyophilised bacteria/lyophilized mixture of bacteria or clinical strains. Analytes: culture, identification and antimicrobial susceptibility testing	3	4	5				9	10	11

PARASITOLOGY

ACREDITATION	CODE	PROGRAM	MONTHS OF PARTICIPATION											
ISO 17043	TQPI0068	Parasites in faeces - 1 sample, 1 evaluation report, Virtual microscopy. Analytes: screening and identification of intestinal parasites (ova and parasites)	1	2	3	4	5	6	7	8	9	10	11	12



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