

MEDICAL BIOLOGY



Participate in AGLAE's External Quality Control



A WAY OF WORKING THAT PROVIDES YOU WITH THE HIGHEST STANDARD OF RESULTS WITH CONFIDENTIALITY AND IMPARTIALITY

Each step of the way, AGLAE is there supporting you.

REGISTRATIONS FOR PROFICIENCY TESTING ARE DONE KNOWING THE WHOLE PROCESS, WITH A DETAILED AND RIGOROUS SCHEDULE



- ✓ The number of evaluations per year for each parameter is specified in the catalogue.
- ✓ AGLAE uses "express" shipments for your samples and makes sure of their distribution to your laboratory.
- ✓ A sufficient delay for reporting your analytical results.
- ✓ Via your member area, **enter your results and find instructions, assigned codes, reports, summaries of your results, certificate of participation...**

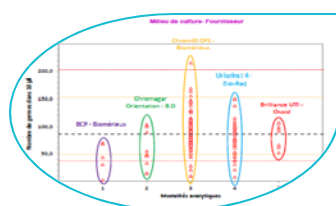
THE OPTIMISATION OF RISK MANAGEMENT FOR YOUR LABORATORY



You receive test samples close to those analysed in routine (materials ready for analysis) which enable you to validate the analytical chain from the receipt of the sample to the report of the result.

You have a better visibility of potential anomalies through:

- ✓ An appropriate test design (duplicate samples, repeated measurements),
- ✓ A large number of participants: around 240 laboratories for the blood culture (complete analysis), over 100 for the cytbacteriology of urines.



AGLAE's detailed study:

- ✓ Influence of the analytical methods, manufacturers (equipment and consumables)? Differences between pair groups? ... factors that we study to help you identify the origin of any anomalies.
- ✓ In medical biology, for some specific strains, the expertise of the French Reference Centre concerned enables you to compare your results with those of an entity recognised by the profession.
- ✓ **A personalized report validated by experts of the field** for most tests (list of the members at the end of the report).

ATTRACTIVE DISCOUNTS, PAYMENT CONDITIONS MADE EASIER

- Choose among the various programmes and benefit from discounts up to 15%,
- A possible payment in 2 or 3 folds depending on the amount your participation.
- Payment possible by cheque (in €), bank transfer, credit card on <https://www.helloasso.com/associations/a-g-l-a-e/paiements/aglae>

Amount of your invoice (excluding transport fees)	Discount
3000 ≤ Amount < 6000 € excl. VAT	5%
6000 ≤ Amount < 9000 € excl. VAT	10%
Amount ≥ 9000 € excl. VAT	15%

**And exclusively for AGLAE's members:
 experimental tests at an attractive price during the year**

PROGRAMME 80: CYTOBACTERIOLOGY OF URINES

Synthetic urine containing a pathogenic strain for bacteriological analysis and cytological examination (after reconstitution of a concentrate).



381 € excl. VAT – total amount for 4 tests (excluding transport fees)

102 participants in 2022 – EXPERIENCE > 10 YEARS

23M80.1 - Urine - sent in January 2023 - Refrigerated parcel

Cytology: enumeration of red and white blood cells

Bacteriology: bacterial count, identification, AST*

23M80.2 - Urine - sent in April 2023 - Refrigerated parcel

Cytology: enumeration of red and white blood cells

Bacteriology: bacterial count, identification, AST*

23M80.3 - Urine - sent in September 2023 - Refrigerated parcel

Cytology: enumeration of red and white blood cells

Bacteriology: bacterial count, identification, AST*

23M80.4 - Urine - sent in November 2023 - Refrigerated parcel

Cytology: enumeration of red and white blood cells

Bacteriology: bacterial count, identification, AST*

*AST: Antimicrobial Susceptibility Testing

PARTICULARITIES



Cytology is statistically processed with results obtained from all methods and per peer group (manual analysis / automated systems Sysmex / automated systems IRIS Diagnostics / other automated systems subject to the number of users).

An overview of the resistance phenotype and a conclusion on the resistance mechanisms will be provided in the test report.

Assessment of several technicians / several techniques: report of referent results and up to 5 additional results (cytology, identification and semi-quantitative enumeration).

☞ Find the Gram stain in two specific EQA: programme 117 (neutral solution) and 117A (blood).

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 80A: URINARY ANTIGENS - *LEGIONELLA*

Detection using urine antigen tests for *Legionella* (positive or negative) on several batches presenting different concentration levels.



186 € excl. VAT – total amount for 2 tests (excluding transport costs)

52 participants in 2022 – EXPERIENCE 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **50 € excl. VAT** (excluding transport costs)

23M80A.1 - Urine - sent in January 2023 - Refrigerated parcel

Detection of *Legionella* urinary antigens

23M80A.2 - Urine - sent in July 2023 - Refrigerated parcel

Detection of *Legionella* urinary antigens

PARTICULARITIES



Performance assessed with the assignment of a “qualitative ranking” per EQA.

👉 Find the detection of pneumococcal urinary antigens in the programme 80B.

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 80B: URINARY ANTIGENS - PNEUMOCOCCUS

Detection using urine antigen tests for pneumococcus (positive or negative) on several batches presenting different concentration levels.



188 € excl. VAT – total amount for 2 tests (excluding transport costs)

39 participants in 2022 – EXPERIENCE 4 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **50 € excl. VAT** (excluding transport costs)

23M80B.1 - Urine - sent in April 2023 - Refrigerated parcel

Detection of pneumococcal urinary antigens

23M80B.2 - Urine - sent in November 2023 - Refrigerated parcel

Detection of pneumococcal urinary antigens

PARTICULARITIES



Performance assessed with the assignment of a “qualitative ranking” per EQA.

👉 Find the detection of *Legionella* urinary antigens in the programme 80A.

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 84: STOOL CULTURE

Synthetic stool containing a pathogenic strain and commensal flora for bacteriological analysis.



561 € excl. VAT – total amount for 4 tests (excluding transport costs)

49 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **75 € excl. VAT** (excluding transport costs)

23M84.1 - Stools - sent in January 2023 - Refrigerated parcel

Bacteriology: detection and identification of the pathogenic bacterial strain, AST*

23M84.2 - Stools - sent in April 2023 - Refrigerated parcel

Bacteriology: detection and identification of the pathogenic bacterial strain, AST*

23M84.3 - Stools - sent in September 2023 - Refrigerated parcel

Bacteriology: detection and identification of the pathogenic bacterial strain, AST*

23M84.4 - Stools - sent in December 2023 - Refrigerated parcel

Bacteriology: detection and identification of the pathogenic bacterial strain, AST*

*AST: Antimicrobial Susceptibility Testing

PARTICULARITIES



The resistance phenotype and a conclusion on the resistance mechanisms will be provided in the test report.

☞ Find the Gram stain in two specific EQA: programme 117 (neutral solution) and 117A (blood).

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 85: BLOOD CULTURE – BACTERAEMIA COMPLETE ANALYSIS OF THE PROCESS

Human blood containing a pathogenic strain for microbiological analysis



511 € excl. VAT - total amount for 4 tests (excluding transport costs)

240 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **65 € excl. VAT** (excluding transport costs)

23M85.1 - Blood - sent in February 2023 - Refrigerated parcel

Bacteraemia: detection, identification, AST*

23M85.2 - Blood - sent in June 2023 - Refrigerated parcel

Bacteraemia: detection, identification, AST*

23M85.3 - Blood - sent in September 2023 - Refrigerated parcel

Bacteraemia: detection, identification, AST*

23M85.4 - Blood - sent in November 2023 - Refrigerated parcel

Bacteraemia: detection, identification, AST*

*AST: Antimicrobial Susceptibility Testing

PARTICULARITIES



A statistical appraisal is assigned to the positivity delay.

An overview of the resistance phenotype and a conclusion on the resistance mechanisms will be provided in the test report.

EQA incompatible with the Rapid method for Antimicrobial Susceptibility Testing (RAST) directly from positive blood culture bottles.

- ☞ Find the other EQA related to blood culture:
 - Programme 89: Blood culture – Fungaemia
 - Programme 85A: Blood culture – Bacteraemia – Qualitative culture (presence/absence)
- ☞ Find the Gram stain in two specific EQA: programme 117 (neutral solution) and 117A (blood).

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 85A: BLOOD CULTURE - BACTERAEMIA - QUALITATIVE CULTURE

Blood containing a pathogenic strain for the detection of a bacteraemia (presence/absence).



276 € excl. VAT – total amount for 4 tests (excluding transport costs)

49 participants in 2022 – EXPERIENCE 2 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **35 € excl. VAT** (excluding transport costs)

23M85A.1 - Blood - sent in January 2023 - Refrigerated parcel

Bacteraemia: detection of bacterial growth

23M85A.2 - Blood - sent in June 2023 - Refrigerated parcel

Bacteraemia: detection of bacterial growth

23M85A.3 - Blood - sent in August 2023 - Refrigerated parcel

Bacteraemia: detection of bacterial growth

23M85A.4 - Blood - sent in November 2023 - Refrigerated parcel

Bacteraemia: detection of bacterial growth

PARTICULARITIES



A statistical appraisal is assigned to the positivity delay.

☞ Find the other EQA related to blood culture:

- Programme 89: Blood culture – Fungaemia
- Programme 85: Blood culture – Bacteraemia – Complete analysis of the process (detection, identification, Antimicrobial Susceptibility Testing)

☞ Find the Gram stain in two specific EQA: programme 117 (neutral solution) and 117A (blood).

The documents of this External Quality Assessment are not translated into English

PROGRAMME 87: CYTOBACTERIOLOGY OF THE CEREBROSPINAL FLUID

Synthetic cerebrospinal fluid containing a pathogenic strain for bacteriological analysis and cytological examination (after reconstitution of a concentrate).



283 € excl. VAT – total amount for 2 tests (excluding transport costs)

66 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **75 € excl. VAT** (excluding transport costs)

23M87.1 - Cerebrospinal fluid - sent in January 2023 - Refrigerated parcel

Cytology: enumeration of red and white blood cells

Bacteriology: bacterial count, identification and AST*

23M87.2 - Cerebrospinal fluid - sent in September 2023 - Refrigerated parcel

Cytology: enumeration of red and white blood cells

Bacteriology: bacterial count, identification and AST*

*AST: Antimicrobial Susceptibility Testing

PARTICULARITIES



An overview of the resistance phenotype and a conclusion on the resistance mechanisms will be provided in the test report.

☞ Find the Gram stain in two specific EQA: programme 117 (neutral solution) and 117A (blood).

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 88: BACTERIOLOGY OF SPUTUM

Synthetic sputum containing a pathogenic strain for bacteriological analysis.



258 € excl. VAT - total amount for 2 tests (excluding transport costs)

51 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **65 € excl. VAT** (excluding transport costs)

23M88.1 - Expectations - sent in January 2023 - Refrigerated parcel

Bacteriology: bacterial count, identification and AST*

23M88.2 - Expectations - sent in September 2023 - Refrigerated parcel

Bacteriology: bacterial count, identification and AST*

*AST: Antimicrobial Susceptibility Testing

PARTICULARITIES



A guidance about the bacteria cultivation will be provided in the instructions of each test.

An overview of the resistance phenotype and a conclusion on the resistance mechanisms will be provided in the test report.

☞ Find the Gram stain in two specific EQA: programme 117 (neutral solution) and 117A (blood).

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 89: BLOOD CULTURE – FUNGAEMIA

Human blood containing a pathogenic strain for fungal analysis.



268 € excl. VAT - total amount for 2 tests (excluding transport costs)

74 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **70 € excl. VAT** (excluding transport costs)

23M89.1 - Blood - sent in February 2023 - Refrigerated parcel

Fungaemia: detection, identification and antifungal susceptibility testing

23M89.2 - Blood - sent in July 2023 - Refrigerated parcel

Fungaemia: detection, identification and antifungal susceptibility testing

PARTICULARITIES



A statistical appraisal is assigned to the positivity delay.

Laboratories participating in these EQA should treat the samples with the method implemented in routine. Laboratories process the samples with specific flasks/media or with standard bacteriology flasks both aerobic and anaerobic.

👉 Find the other EQA related to blood culture:

- Programme 85: Blood culture – Bacteraemia – Complete analysis of the process (detection, identification and Antimicrobial Susceptibility Testing)
- Programme 85A: Blood culture – Bacteraemia – Qualitative culture (presence/absence)

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 119: SCREENING OF *STREPTOCOCCUS AGALACTIAE* OR *STREPTOCOCCUS B*

Detection of group B streptococcus using culture and/or rapid method from vaginal swabs (synthetic matrix) presenting different concentration levels.

New

125 € excl. VAT - total amount for 1 test (excluding transport fees)

New in 2023

23M119.1 – sent in March 2023 - Refrigerated parcel

Streptococcus B detection

PARTICULARITIES

Performance assessed with the assignment of a “qualitative ranking” per EQA.

An overview or evaluation of the results obtained by rapid method (antigens or gene amplification) and of the Antimicrobial Susceptibility Testing will be provided.

PROGRAMME 117: BACTERIOLOGY - MICROSCOPIC EXAMINATION **IN NEUTRAL SOLUTION** - WET MOUNT AND GRAM STAIN

Neutral solution containing a strain for microscopic analysis (wet mount and Gram stain)

63 € excl. VAT – total amount for **2** tests (excluding transport costs)

57 participants in 2022 – EXPERIENCE 1 YEAR

23M117.1 - sent in January 2023 - Refrigerated parcel

Morphology, cell arrangement, mobility, Gram stain and orientation of the bacterial type

23M117.2 - sent in September 2023 - Refrigerated parcel

Morphology, cell arrangement, mobility, Gram stain and orientation of the bacterial type

PARTICULARITIES

Qualitative assessment of the morphology, cell arrangement, mobility, result of the Gram stain (Gram positive / negative) and of the orientation of the bacterial type.

☞ Find the microscopic examination in blood - Wet mount and Gram stain: programme 117A.

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 117A: BACTERAEMIA - MICROSCOPIC EXAMINATION IN BLOOD - WET MOUNT AND GRAM STAIN

Human blood containing a strain for microscopic analysis (wet mount and Gram stain)

65 € excl. VAT – total amount for 2 tests (excluding transport costs)

New

New in 2023

23M117A.1 – sent in February 2023 - Refrigerated parcel

Morphology, cell arrangement, mobility, Gram stain and orientation of the bacterial type

23M117A.2 - sent in November 2023 - Refrigerated parcel

Morphology, cell arrangement, mobility, Gram stain and orientation of the bacterial type

PARTICULARITIES

Qualitative assessment of the morphology, cell arrangement, mobility, result of the Gram stain (Gram positive / negative) and of the orientation of the bacterial type.

☞ Find the microscopic examination in a neutral solution - Wet mount and Gram stain: programme 117A.

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 118: ANTIMICROBIAL SUSCEPTIBILITY TESTING BY DIFFUSION - DISK METHOD

Measurements of inhibition zone diameters and report of raw and interpreted clinical categorisations for each antibiotic tested

124 € excl. VAT – total amount for 1 test (excluding transport costs)

New

New in 2023

23M118.1 – sent in May 2023 - Refrigerated parcel

Antibiotics: inhibition zone diameters and report of raw and interpreted clinical categorisations

PARTICULARITIES

Receipt of a neutral solution contaminated by an identified strain, with a clinical scenario.

Isolation, preparation of the inoculum and implementation of an Antimicrobial Susceptibility Testing (AST) by diffusion.

Global evaluation with:

- Evaluation of clinical categorisations considering the dispersion around the diameter for each antibiotic,
- Evaluation of the measurement of inhibition zone diameters for each antibiotic,
- Evaluation of overall trends to over or underestimate the diameter measurement across all antibiotics.

Assessments provided for several technicians: report of referent results and up to 5 additional results (measurement of diameters).

👉 Find the Antimicrobial Susceptibility Testing by diffusion - gradient method (MIC strips): programme 118A.

The documents of this External Quality Assessment are not translated into English.

PROGRAMME 118A: ANTIMICROBIAL SUSCEPTIBILITY TESTING BY DIFFUSION - GRADIENT METHOD (MIC STRIPS)

Measurements of inhibition zone diameters and report of raw and interpreted clinical categorisations for each antibiotic tested

124 € excl. VAT – total amount for 1 test (excluding transport costs)

New

New in 2023

23M118A.1 – sent in September 2023 - Refrigerated parcel

Antibiotics:

Minimum Inhibitory Concentrations (MIC) and report of raw and interpreted clinical categorisations

PARTICULARITIES

Receipt of a neutral solution contaminated by an identified strain, with a clinical scenario.

Isolation, preparation of the inoculum and implementation of an Antimicrobial Susceptibility Testing (AST) by application of MIC strips.

For each antibiotic tested: reading of the MIC, report of raw and interpreted clinical categorisations.

Assessment provided for several technicians: report of referent results and up to 5 additional results (measurement of zone diameters).

☞ Find the Antimicrobial Susceptibility Testing by diffusion – disk method: programme 118.

The documents of this External Quality Assessment are not translated into English.