

AGLAE

GENERAL ASSOCIATION OF ANALYTICAL AND TESTING LABORATORIES

Proficiency Testing Schemes (PTS) provider since 1993, AGLAE is a true partner for laboratories. Continually developing new proficiency testings, technical tools and personalising our services to meet customers needs.

KEY FACTS:

- Over **25 years experience**
- More than **1000 laboratories** with **15% international**
- **200 tests** per year
- **1200 parameters** provided to laboratories



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SHUTTERSTOCK - J.F. PELLEGRY / SHUTTERSTOCK - IMPRESSIONS BRIGADEUR HAUBOURDIN



WORKING TOGETHER
TO IMPROVE
THE QUALITY OF
YOUR ANALYSES



Bio-medical

Environment

Expertise

Your company of choice for proficiency testing

Areas of expertise:
Environment
Medical biology
Physico-chemical analyses
Biological analyses



ACCREDITED
EXTERNAL QUALITY CONTROL

AGLAE is accredited by LABORATORIES section in compliance with ISO/IEC 17043.

98% of the provided parameters are covered by the accreditation.

CORE EXPERTISE:

PROFICIENCY TESTING IN THE CONTEXT OF EXTERNAL QUALITY ASSESSMENT

Undertaking interlaboratory comparisons within a number of chemical and biological parameters.

Our key objective is to continually improve the analytical performance of laboratories, enabling them to meet regulatory requirements.

BIO-MEDICAL



- Cytobacteriological examination of urine
- Blood culture and stool culture (faeces bacteriology)
- Cerebro-spinal fluid bacteriology and bacterial sputum culture
- Quantification of bacterial endotoxins in medical water
- Microbiology of medical water



ENVIRONMENT



- Drinking water
- Surface and sea water
- Waste water
- Domestic hot water and water from cooling towers
- Sludge from water treatment plants, sediments, polluted soil, etc.



Further details are available on-line

www.association-aglae.fr

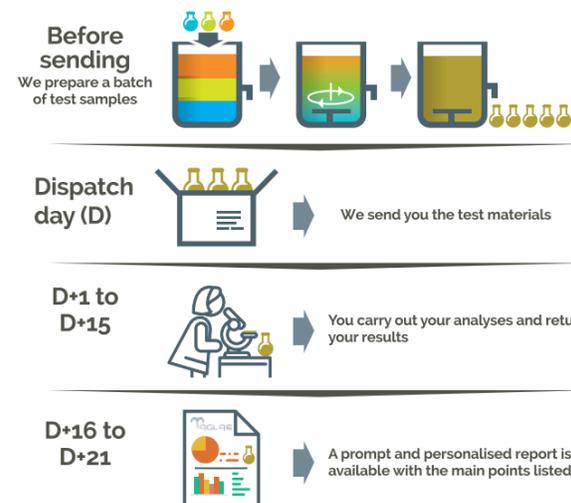
A WAY OF WORKING THAT PROVIDES YOU WITH THE HIGHEST STANDARD OF RESULTS, DELIVERED WITH CONFIDENTIALITY AND IMPARTIALITY

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



1 Registrations for proficiency tests are done knowing the whole process: number of evaluations per year for each parameter, concentration levels and sample stabilisation are available on request.

2 With a detailed and rigorous schedule:



3 The optimisation of risk management for your laboratory, giving you better visibility of potential anomalies through:

- an appropriate test design (duplicate samples, repeated measurements)
- a large number of participants

Our detailed study of the methods, equipment and consumables used in the test provides you with the necessary elements to identify the origin of any anomalies.

You will have quick access to your personalised report including performance information.

4 In the member only area, you can follow your tests and download:

- all test documents
- performance summaries
- reported results
- our scientific publications

WE ARE MORE THAN A SIMPLE PTS PROVIDER
QUALITY AND IMPROVEMENT OF LABORATORIES

1 AGLAE enables you to be a step ahead, anticipate and prepare for the future:

- Our Association is involved in standardisation committees (ISO and AFNOR).
- We are vigilant on the requests of Environment and Health Ministries in relation to laboratory approval procedures.

2 AGLAE offers a range of additional services:

- Additional samples available during the tests to evaluate a technician or to test another method.
- Perform interlaboratory comparisons tailored to meet specific needs.
- Training sessions on water microbiology in order to set up a quantitative Internal Quality Control, estimate the uncertainty of measurement and characterise a method for its validation.

3 AGLAE works in partnership with external experts

to develop our consultancy, the set up or development of new laboratory methods.

« Participating in round robin tests in Germany and in France, I am very satisfied with AGLAE's on-line results' submission, short delays to receive detailed personalized reports and Excel summaries including my lab's performance during the year. The statistical processing performed by AGLAE helps me in my daily life at the laboratory to compare the various analytical techniques.

Besides, AGLAE really pays attention to participants' needs and is open to technical discussions. »

Alfred Ewen, Head of department 'chemical analysis' - DR H. MARX GmbH (Germany)

« We have been working with AGLAE since 2012. The PT program is one of the most complete you can find, besides, I would like to remark the excellent personal attention they give us. »

Núria Bodi Majó, Badalona's Laboratory Quality Manager - Tecnoambiente (Spain)

« Large number of participants, quick processing of the results and review, and a good price. »

Jeroen Boekenoogen, Quality Manager - WLN (The Netherlands)

AGLAE' PROFICIENCY TESTING – ADDITIONAL INFORMATION

PREPARATION OF THE TEST SAMPLES



The test samples of interlaboratory comparisons are prepared and packaged by AGLAE and for some tests by partner laboratories, with the objective to be as close as possible to your routine samples.

Pay attention: this does not mean that test materials have systematically similar concentration levels to the samples regularly analysed in the laboratory.

For parameters included in water quality controls (in particular microbiology), proficiency tests are organised to confront participants with pollution situations: levels are close to or beyond regulation values.

⇒ Concentration ranges targeted for the various parameters are available on request.

At least one test per scheme will have parameters with concentration levels inferior to 15 times the set quantification limit when it is possible to maintain at the same time the quality of the proficiency test, this for the relevant pairs « parameter-matrix » concerned by the order delivered by the French Ministry of Environment.

IMPLEMENTATION OF THE ANALYSES



The analyses undertaken in the frame of AGLAE's interlaboratory comparisons must be carried out like your **routine analyses** with the method of your choice.

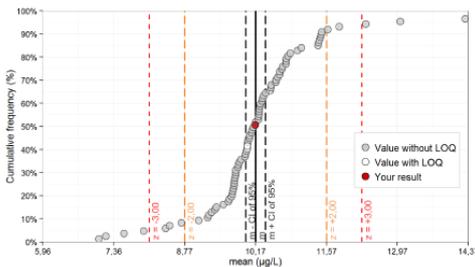
However, analyses must start **as soon as possible**, in particular during the recommended period to start the sample treatment (PRDT). This period corresponds to the period during which the quality of test materials is considered optimal. Beyond this period, defects can occur and interfere with the assessment of your analytical performances.

If your laboratory cannot meet this period, it is up to you to perform or not the analyses.

To test another method or evaluate a technician, you may order additional test samples. They will be delivered at the same time as your samples for the interlaboratory comparison.

ASSESSMENT OF YOUR ANALYTICAL PERFORMANCE

The statistical interpretation of the results is based on the consensus coming from the data set (mean result, precision observed). The data processing is carried out with results obtained from all methods and in accordance with normative documents.



The analytical performance of laboratories is assessed at the trueness level but also at the repeatability level.

✓ **In chemistry:** the evaluation is given in explicit words so that it can be interpreted directly. An appraisal of the uncertainty of measurement is added (when reported). Z-scores (result's position in relation to the general mean) and zeta-scores (relevance of the uncertainty of measurement associated with the result) are also provided to the participants.

✓ **In biology:** the evaluation is presented via a qualitative ranking which expresses the quality of the analysis. Z-scores and, for some cases squared relative standard deviations « u^2 », that quantify the technical over-dispersion with regard to the Poisson distribution (uncertainty of measurement), are also provided to the participants.

An interlaboratory comparison test report is sent ideally 3 weeks after the test closure. Reports are clear and adapted to several reading levels.

They are personalised with your results and translated into English, except for medical biology to date.

TO VIEW AN EXAMPLE OF REPORT, CLICK ON THE ONE LIKELY TO INTEREST YOU:

« [Chemistry](#) »

« [Water microbiology](#) »

« [Medical biology](#) » (not translated yet)