



IBBL BIOSERVICES

BIOSPECIMEN PROFICIENCY TESTING

WHAT IS PT?

The Biospecimen Proficiency Testing (PT) programme works as an external quality assessment tool for laboratories working with biospecimens, including biorepositories, clinical laboratories, research organisations and bioservice providers. It allows them to verify and compare the performance of their processing and testing methods with the one of other participants worldwide.

The PT programme is a service provided by IBBL (Integrated BioBank of Luxembourg), an autonomous not-for-profit institute dedicated to service provision in the biomedical sector. As an NF S96-900 and ISO 9001 certified and ISO 17025 accredited* organisation, IBBL offers a full range of services to both industry and academia.

The PT programme is endorsed by the International Society for Biological and Environmental Repositories (ISBER).



* The full accreditation scope is available on www.ibbl.lu/about-ibbl/#quality









WHY PARTICIPATE?

If you are a laboratory working with biospecimens, a biorepository, a research organisation or a bioservice provider, consider signing up in order to:

✓ VALIDATE YOUR ROUTINE LAB METHODS

IBBL's PT programme provides an external quality assessment tool to verify the precision and accuracy of your biospecimen testing methods, and the efficiency of your processing methods.

✓ COMPARE YOUR PERFORMANCE TO OTHERS

The principle of performance benchmarking applied in our PT programme means that your results will be compared to those of other laboratories, from different sectors all over the world.

✓ COMPLY WITH CERTIFICATION & ACCREDITATION REQUIREMENTS

Proficiency testing offers organisations that are seeking compliance with ISO 17025, ISO 15189, CLIA, CAP or equivalent, the opportunity to fulfil the respective normative requirements.

✓ IMPROVE PERFORMANCE & PROVE CONSISTENCY

The assessment of your laboratory's proficiency allows you to monitor and improve performance by identifying potential problems and providing additional motivation. Regular participation in our PT programme will also prove consistency of performance over time.

✓ GAIN CREDIBILITY & VISIBILITY

By participating in our PT programme you can assure customers, collaborators, funding agencies and regulatory bodies of the validity of your results. This can help build your reputation for high quality laboratory methods and gain international visibility.

HOW DOES PT WORK?

The PT programme works as an external quality assessment tool that lets you verify and benchmark the performance of your biospecimen processing and testing methods through the following steps:

1



STANDARDISED SAMPLES

Once registered, you receive standardised samples produced and shipped by IBBL to your laboratory.

2



ROUTINE METHODS

You use either :
your routine processing method to extract the samples or
your routine testing method to characterise the samples.

3



EXTRACTED SAMPLES



RESULTS

You send us:
the extracted samples (processing) via mail, or
the results (testing) via an online platform.

4

STATISTICAL ANALYSIS & BENCHMARKING



We analyse the received samples, gather the results from all participants and perform statistical analyses and benchmarking.





BD Vacutainer
K2E (EDTA)
18.0mg



BD-plymouth
2515542

BD Vacu
K2E (EDTA)

WHAT DO YOU RECEIVE?

PERSONALISED REPORT

with detailed statistics that show your laboratory's performance compared to others



CERTIFICATE OF PARTICIPATION



LABEL OF PARTICIPATION



MEET OUR EXPERT

Amélie Gaignaux presents

PROJECT MANAGER

BIOSPECIMEN
PROFICIENCY
TESTING



<https://vimeo.com/167238407>



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your lab methods are!

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2017 PROCESSING & TESTING SCHEMES

The 2017 Biospecimen Proficiency Testing Programme includes 19 processing and testing schemes. You can decide to participate in one or more schemes for 1, 2 or 3 consecutive years.

Processing schemes

- DNA Extraction from Whole Blood
- DNA Extraction from FFPE Cells
- DNA Extraction from Frozen Tissue
- Microbial DNA Extraction from Saliva
- Microbial DNA Extraction from Stool
- Cell Free DNA Extraction from Whole Blood
- RNA Extraction from Whole Blood
- RNA Extraction from FFPE Cells
- Total RNA Extraction from Frozen Tissue
- CSF Aliquoting
- Viable PBMC Isolation

Testing schemes

- DNA Quantification and Purity
- RNA Quantification and Purity
- RNA Integrity
- Cell Viability
- Haemoglobin Quantification in Plasma
- Haemoglobin Quantification in CSF
- CD40 ligand quantification in serum
- Tissue Histology

BIOSPECIMEN PROFICIENCY TESTING

Verify and benchmark the performance
of your processing and testing lab methods

KEY DATES TO KEEP IN MIND

MAY 2

Registration opens

AUGUST 11

Registration closes

SEPTEMBER

Standardised samples will be shipped to
your location

NOVEMBER

Online data submission

FEBRUARY

Your report(s) will be sent electronically

