



BIOSCIENTIA
INTERNATIONAL

HISTOPATHOLOGY AND MOLECULAR DIAGNOSTICS

YOUR NEW OPPORTUNITY FROM GERMANY



// BEYOND THE SCOPE OF THE MICROSCOPE

Tissue, liquid biopsy, MALDI-TOF:
Benefit from the experience of 20 histopathologists

AUTOMATED WORKFLOW

The MassARRAY with chip prep module reduces hands on time with load and go processing.



Pathology Trier group, one of the largest and most respected anatomical pathology practices in Germany with more than 20 pathologists and 150 staff including specialized PhD biologists for molecular biology. The group operates four laboratories in three West German cities, being Trier, Düren and Düsseldorf, with the latter two laboratories strategically located within large hospital facilities.

Pathologie Trier has combined the traditional practice of histo- and cytopathology with cutting-edge testing methods, including molecular pathology and proteomic techniques. Specialists of all histopathological subspecialties are available including specialists for neuropathology, nephropathology and hematopathology. Most remarkably, Pathology Trier is the number one provider of services in rheumatopathology and orthopedic pathology in Germany. About 60 other pathology laboratories with more than 1 million primary histopathological cases trust in the expertise in molecular pathology testing of the Pathology Trier group.

Molecular services include molecular testing for viral, bacterial, fungal and tumor-DNA in histopathological formalin fixed paraffin embedded tissue as well as cytological specimen. The main area of molecular pathological tests is tumor genetics which is a prerequisite for personalized medicine in tumor therapy. Pathology Trier was one of the first labs in Germany offering genetic testing in liquid biopsies. Besides all molecular techniques including PCR and in situ hybridization the molecular test spectrum includes such methods as next generation sequencing (NGS) and matrix assisted laser desorption ionization time of flight (MALDI-TOF) for complex mutational analysis. Pathology Trier is the only histopathology lab in Germany providing molecular testing by MALDI-TOF. This very sensitive, reliable and cost-effective technique allows turn around times of only two to four days for nearly all molecular tests required in human pathology. In this year Idylla-technology was introduced as a fast track molecular pretest method to provide first molecular genetic results within one working day.

YOUR RAPID REFERENCE PATHOLOGY

Pathology Trier holds a leading market share in Endopredict as a predictive test for breast cancer, based on a turn around time of only two days and highest quality standards. The most fascinating research area of our institute is mass spectrometry for development of proteomic signatures of tumors, metabolic and inflammatory diseases which is advanced in collaboration with the Proteopath GmbH, part of the German Consortium of MALDI-imaging, together with University Institutes of Pathology in Heidelberg and Munich.

The Trier group provides services to approximately 30 hospitals across Germany, a large number of general practitioners and specialist physician referrers, as well as smaller histopathology practices (in the role of a reference laboratory).

Digital pathology was introduced some years ago for reference pathology and for getting a second opinion in frozen section analysis. This technology allows real time investigation of frozen sections in the various locations of the group providing specialist opinion for each field in histopathological diagnostics.

Specialists in Pathology including

- Dermatopathology
- Neuropathology
- Cytology
- Molecular Diagnostics

Established Methods

- Histochemistry
- Immunohistochemical analysis (198 antibodies)
- Molecular pathology methods
 - PCR
 - In situ hybridization
 - NGS
 - MALDI-TOF-technology for complex mutational analysis within 2 days
- Multigene Assay (Endopredict)

Second Opinion Pathology

- Dermatopathology
- Gastroenteropathology
- Hematopathology
- Breast Pathology
- Neuropathology
- Nephropathology
- Orthopedic pathology

Cooperation with University Pathologies in the fields of

- Blistering diseases
- Nephropathology
- Muscular diseases
- Dysganglionoses

Low Turnaround Time

- Histological second opinion | 2–5 d
- Immunohistochemical investigation | 2 d
- Molecular Pathology | 2–4 d
- Next Generation Sequencing | 7–10 d





TIME, SAFETY AND SERVICE QUALITY

Fast and reliable sample transport due to close proximity to Frankfurt Airport. This means: short ways, fast processing and rapid results.



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