TDGenet®
Livextens

Patient-centric software for genetics laboratories

Tailor-made software for cytogenetics and molecular genetics laboratories, and for coordinating all clinical genetics activities

Designed and created by geneticists, TDGenet is a fully integrated solution that supports all of the workflows found in genetics laboratories. It allows you to gather all your data in one place: patient case histories, appointments, examinations, results and statistics.

A dedicated solution

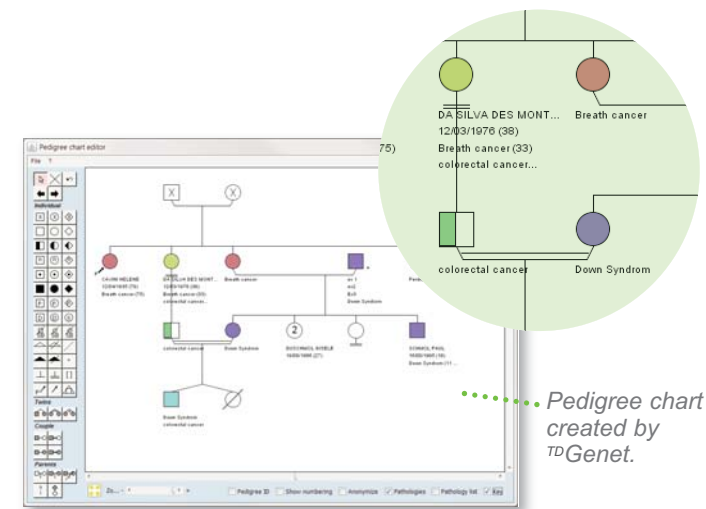**Customization**

Easy integration/ interoperability

Quality & Accreditation

Health informatics for the Laboratory
Designed for Patient Safety

TD Technidata
MEDICAL SOFTWARE

^{TD}Genet®
Livextens

A single integrated solution for all genetics diagnostics, chromosomal, and molecular genetics examinations.

With this patient-centric software, cover all your needs and **manage your workflows efficiently and flexibly**, from appointments and genetics consultations, to clinical review, result reporting, statistics, and billing, through analytical techniques and result acquisition.

Pedigree chart created by ^{TD}Genet.

Patient Management	Order Entry	Sample Reception	Sample Storage	Workflow management	Result Review	Report Generation	Query tool
Appointment & consultation, family information & pedigree chart	Manual or electronic requests	Sample numbering and labeling	Storage & retrieval of samples at any time	Customized workflows, Microwell plates, Sample storage	Technical and Clinical review	For the whole request or for one or more tests in the request	Data mining tool

A dedicated solution for genetics laboratories

- A patient-centric solution with clinical consultation, and patient and family management
  ➲ A single view for better diagnostics
  ➲ Collect and gather patient and family information all along the genetics investigation

- Dynamic pedigree charts
  ➲ Design and record links and pathologies for all the members of a family

- Batch mode and microwell plates management
  ➲ Manage routine tasks efficiently
  ➲ Save time and reduce the risks of errors

- Management of the analytical stage, from sample preparation to result reporting and interpretation
  ➲ Organize and track the whole process

- Built in sample storage
  ➲ Dynamic management of storage locations

A customizable solution

- Graphical analytical workflow designer
  ➲ Customize tests easily to fit your analytical organization
  ➲ Set tracking levels based on your needs

- Customized form designer tool
  ➲ Define the exact forms and fields you need
  ➲ Match the specific needs of your organization

- Query tool
  ➲ Combine data and transform it into valuable information, such as biological and medical extracts
  ➲ Build your activity reports and manage your laboratory

A fully integrated solution

- Standard connections based on HL7 protocols
  ➲ Integrate and deploy easily with any HIS

- Bi-directional communication with major cytogenetics image analyzers
  ➲ Process reports easily and efficiently

Focus on accreditation

- A high level of traceability at all stages
  ➲ Meet traceability requirements for accreditation

- Non-conformity management features
  ➲ Save time on daily management of non-conformities
  ➲ Facilitate your laboratory accreditation process

Testimonials

Gustave Roussy chose ^{TD}Genet to computerize its Genetics laboratory activities.

"We fixed an objective to recover 95% of our data. In the end, we were able to recover 99% of our data in ^{TD}Genet, and were therefore very happy with the work done by the various TECHNIDATA teams."

Dr Frédéric TROALEN,
Hospital Pathologist and leader of the ^{TD}Genet project

Gustave Roussy's expertise and state-of-the-art medical practices make it a **European and world leader in the fight against cancer**.

As well as **managing the interfaces with the HIS**, **system configuration**, and **user training**, the **data recovery exercise** was a key stage in the successful go-live of ^{TD}Genet.

A team of experts at your service to optimize your lab organization

+ Consultancy and audit of laboratory organization and workflow

+ Installation follow-up

+ Training and assistance

Broaden your horizons

Livextens®

TDGenet®

Livextens

Patient-centric software for genetics laboratories

Features

Clinical genetics

- Pedigree charts and family data
- Calendar of consultations
- Management of consent, file attachments
- Customized clinical forms
- Thesaurus and nomenclature

Cytogenetics and molecular genetics

- Cytogenetics: antenatal, constitutional, onco-hematological, FISH
- Molecular genetics: gene study and search for genetic mutations
- Configurable management of protocols
- Image analyzer connections
- Management of microwell plates in batch mode

Sample and process management

- Workflow: technical activity status (work lists, alerts)
- Tree structure of derivatives linked to patients
- Barcode label printing
- Actions grouped by batches of resources
- Management of storage and sample-routing
- Management of non-conformities
- Advanced traceability (biological materials, reagents, probes, equipment, users) and Quality Assurance

Data management

- Import of patient history
- Multi-criteria queries and data export

Companion solutions

- Document management module
- Non-conformity management module
- TDWeb, Web request & results management

Technical overview

- Web-based architecture
- Internet Explorer and Chrome
- Oracle and Microsoft SQL Server relational databases
- Linux or Windows operating systems
- HL7 standard communication protocols
- Interface with Cytogenetics analyzers:
  - Cytovision® (Applied Imaging®)
  - Ikaros/Isis® (Metasystems®)
  - Genikon® (Alphelys®)