

Enabling Personalized Medication

Interpretation as a Service

Pharmacogenetic interpretation – fully automated toolchain

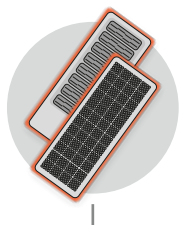
PGXperts Interpretation as a Service (IaaS) transforms complex genetic data into accurate, evidence-based, and actionable insights, empowering healthcare professionals to deliver Personalized Medication. Designed for both clinical and research environments, IaaS provides tailored pharmacogenomic reports that support confident and data-driven decision-making. In research settings, IaaS enables scientists to interpret variants of interest with precision, accelerating discovery and bridging the gap between research and clinical application.

The PGXperts IaaS platform is technology-agnostic and compatible with a wide range of genotyping technologies across multiple formats (e.g. OpenArray®, microarrays). This flexibility allows laboratories to select the genotyping technology that best fits their needs – optimizing throughput, turnaround time, and cost efficiency without compromising accuracy.

IaaS also integrates seamlessly with existing bioinformatics pipelines and secondary analysis tools, ensuring a smooth transition from raw genotyping data to fully interpreted results. This eliminates the need for in-house bioinformatics expertise while ensuring full control over data and reporting standards. Beyond PGx Interpretation software, PGXperts supports customers by automating their workflows to achieve high sample volumes with exceptional accuracy and quality. This smart automation enhances efficiency and consistency while reducing overall service costs.

With its blend of scientific excellence, technological flexibility and scalability, the PGXperts IaaS platform sets a new standard for pharmacogenomic interpretation – offering capabilities that go beyond those of conventional PGx interpretation software.

DNA Genotyping



Technology-agnostic

Compatible with PCR solutions, microarrays and hybrid platforms

PGx Interpretation



User-friendly interface

Upload files, view and export structured data or PDF reports.

Generating reports



Tailor-made reports

- For clinical purposes
- For research purposes
- Regulatory-compliant



PGXperts

Interpretation as a Service

Accelerate Pharmacogenetic Interpretation

PGXperts laaS is a smart and efficient way to transform molecular genetic test results into accurate, meaningful, and actionable insights. This flexible and modular platform enables the automated creation of customized reports and provides advanced tools for sorting, filtering, and exporting results in multiple formats.

Customize your reporting solution in three steps

1. Define report type and select genes:

Start by choosing the desired setting (clinical or research). Then define your panel of interest by selecting genes, medications, or gene-drug pairs that are relevant to your specific use case or research objectives.

2. Select genotyping technology:

PGXperts laaS is technology-agnostic and supports a wide range of industry-leading genotyping and sequencing platforms. Choose among established technologies such as Thermo Fisher TaqMan® Genotyping Assays (including OpenArray® and TrueMark™), Axiom™ microarrays, or Illumina microarrays. New technologies are continuously evaluated and integrated into our pipeline to ensure future readiness.

3. Configure the report:

Assemble your reporting solution to match your requirements. Structure the content in a modular way, select language and terminology, and design the branding of your reports.

Your reliable PGx partner

At the core of PGXperts laaS lies a unique combination of scientific, clinical and technical expertise. We believe in true collaboration and are committed to building long-term partnerships, tailoring every solution to your operational goals and workflow requirements. Our team supports you from needs analysis and setup to validation, staff training and beyond.

Key Benefits:

In-house curated database

- » Compiled by in-house experts
- » Quarterly updated
- » Data from 10+ global sources (such as CPIC, DPWG, SEFF, ClinPGx, EMA, FDA, HCSC, PMDA)
- » Supplemented by scientific literature

Tailored reporting

- » Configurable content and format
- » Available in multiple languages
- » Versions for healthcare professionals & lay audience
- » Comprehensive reports, also available as structured data

Technology-agnostic platform

- » Supports leading genotyping technologies
- » Compatible with multiple formats

Automated and scalable

- » Interoperable with laboratory and clinical IT systems
- » Fully automated, high-throughput pipeline
- » Optimized for speed, accuracy and cost-efficiency

Quality management system according to EN ISO 13485

- » PGXperts is a certified manufacturer of software for pharmacogenetics and pharmacology



We support you through the entire process for reliable pharmacogenetic interpretation!

E-Mail: sales@pgxperts.com | Phone: +49 911 979 10 855
More information: www.pgxperts.com/en

