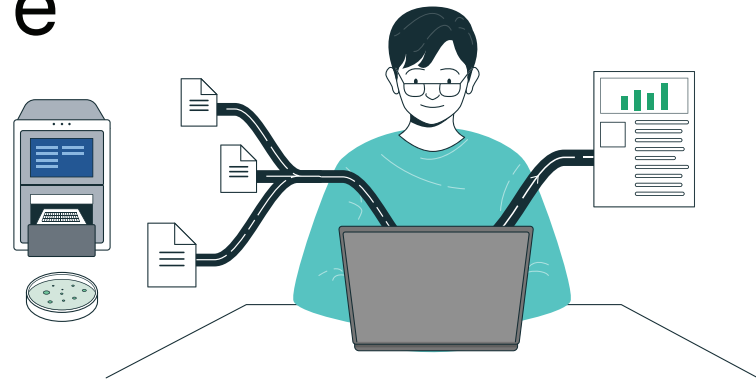


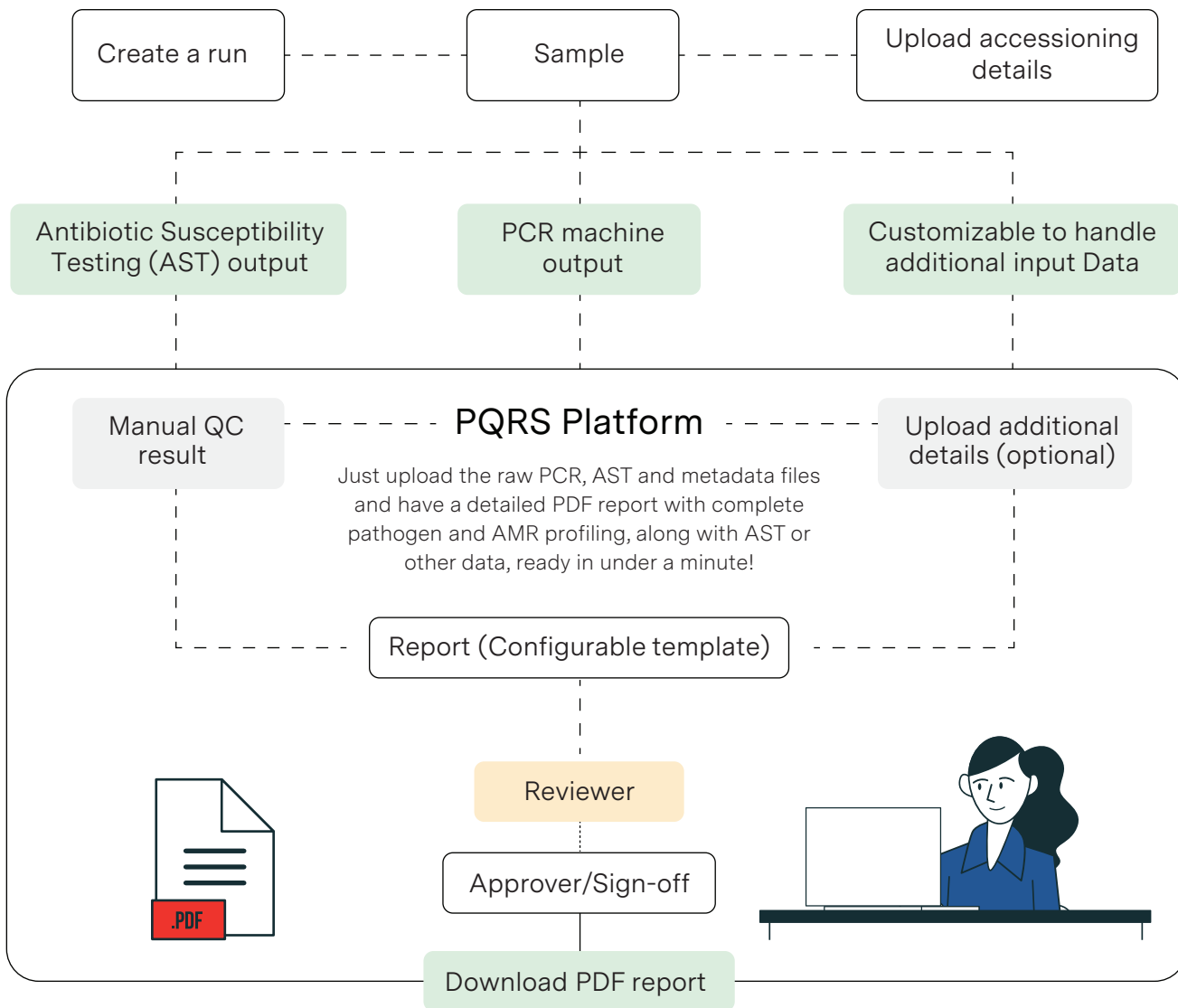
Strand's qPCR reporting software (PQRS)

Our in-house infectious-disease reporting solution processes qPCR input, and generates a comprehensive and actionable PDF report with detailed pathogen profiles and antibiotic susceptibility status.



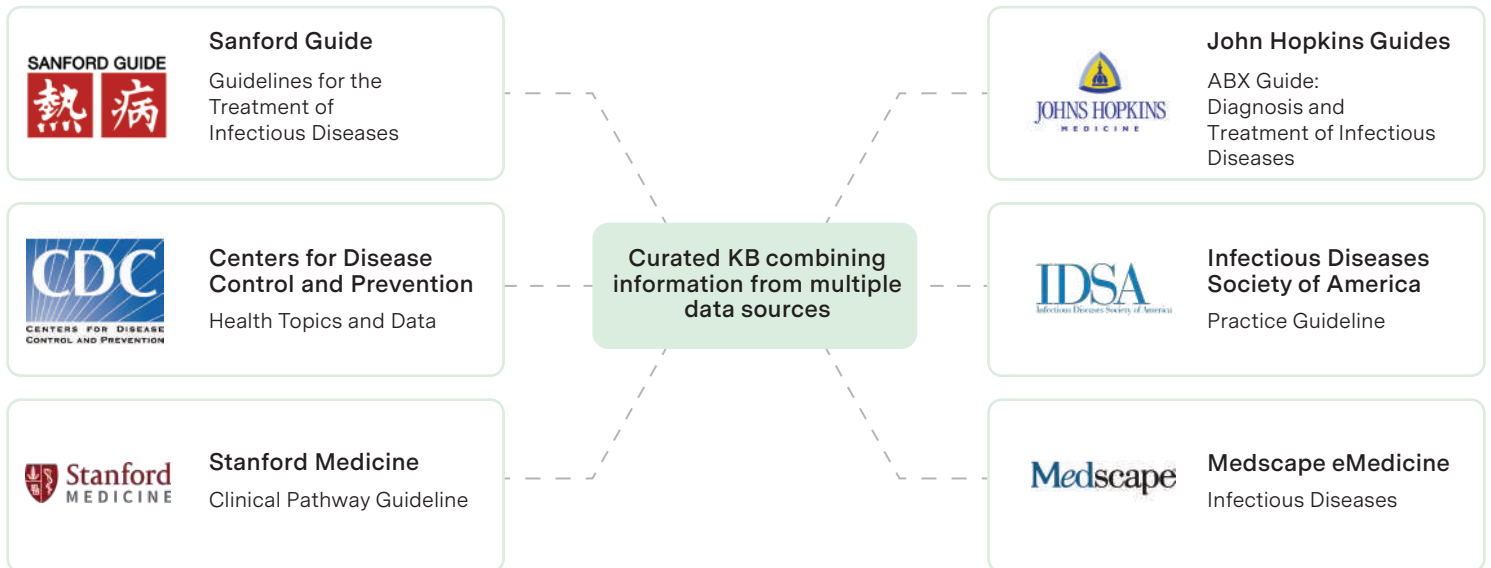
The PQRS workflow

- ▶▶ PQRS software offers an **end-to-end solution** for qPCR reporting
- ▶▶ The process is initiated by inputting qPCR result files. Additionally, culture test output files can also be entered into the workflow, thus enabling combined reporting of pathogens, AMR genes and antibiotic susceptibility (AST)
- ▶▶ A **manual QC step** is performed to ensure accuracy
- ▶▶ Following this, a **comprehensive report** based on a configurable template is compiled and generated
- ▶▶ A brief review by a senior scientist follows and the report is made available to the end user as a **PDF download**
- ▶▶ The turnaround time from input to report generation is **under a minute**
- ▶▶ This workflow can be seamlessly integrated into any **existing LIMS**



Reference Databases in PQRS

- ▶▶ The PQRS platform is equipped with an **infectious-disease knowledgebase** curated by Strand's scientists and reviewers
- ▶▶ The database was curated by referencing various well-known **publicly available** (e.g., Medscape) as well as **licensed** data sources dedicated to **infectious-disease reporting**



Recent Stories

We worked with a US-based CLIA/CAP-certified diagnostic laboratory offering infectious-disease testing to deliver a bespoke PQRS solution:

- ▶▶ We customized the report to include **all medication choices** without details on tiers, route of administration, or dosage
- ▶▶ The antibiotic choices provided in the report were filtered for those **approved in the US** and referred to by their **US trade names** instead of generic names
- ▶▶ The report generation process was modified to require a **medical director's approval**
- ▶▶ The report was made available in both **PDF** and **JSON** formats

Strand Life Sciences works with marquee genetics diagnostics, sequencing instrument, pharma and biotech companies to accelerate bioinformatics and software development

See our [website](#) for recent Case Studies and to get in touch!