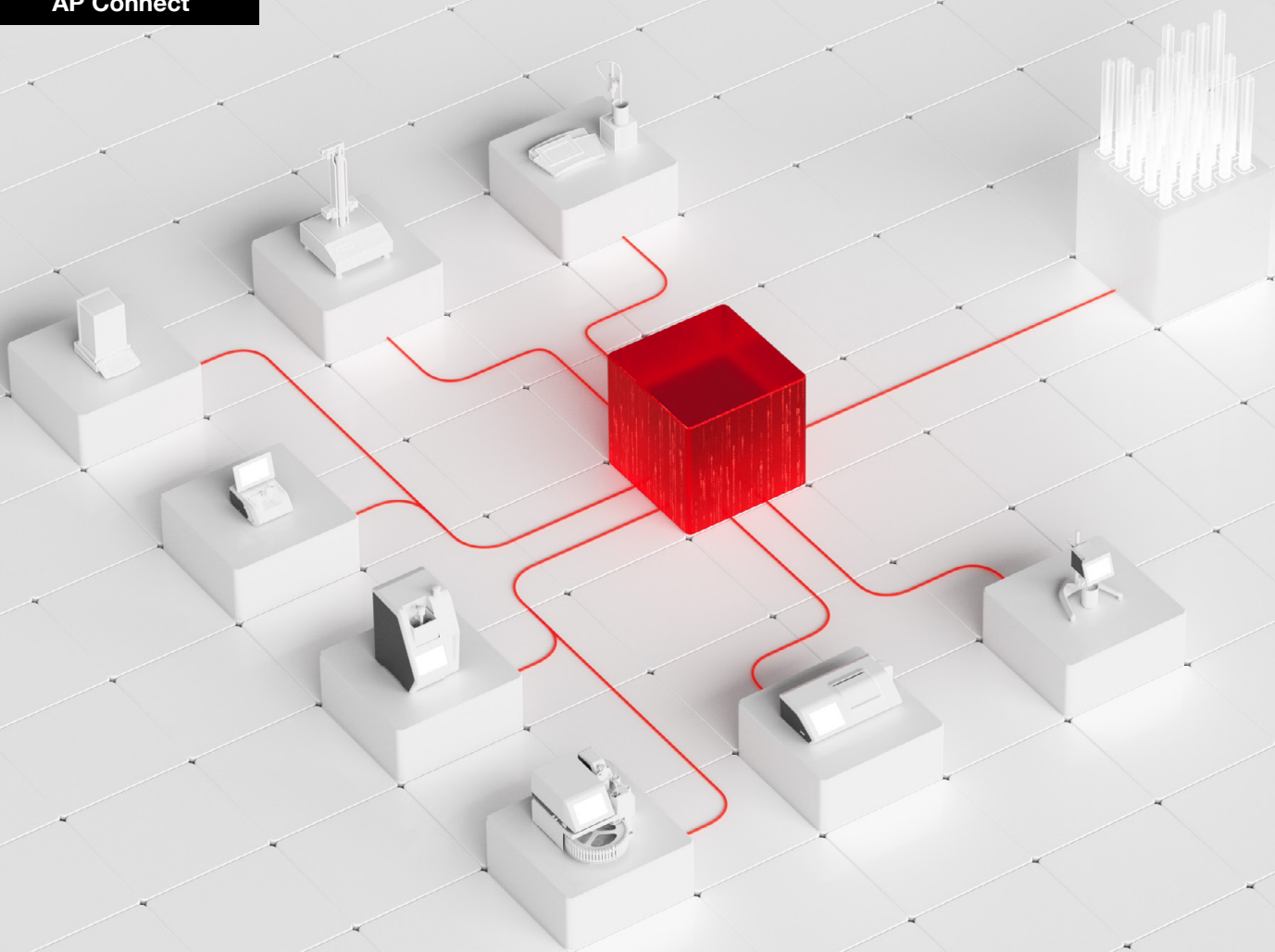


# Digitize Your Laboratory Data and Workflow

AP Connect



# One Digital Flow for Your Lab

AP Connect centralizes measurement data from connected instruments, reduces manual handling, and enables automated data flow and task execution. By connecting instruments, users, and leading systems together, it supports secure communication, clearer traceability, and more controlled workflows across the lab. For regulated environments, AP Connect Pharma offers review and approval, electronic signatures, and audit trails to provide a complete lab execution system – right at your fingertips.



Customer insights

## Digital data flow across the lab

AP Connect brings data from connected instruments into a single digital environment – making results, metadata, and settings readily available for review, export, and integration into existing laboratory IT. This reduces manual handling of data and enables faster access to reliable information, quicker decisions, and greater data control across the lab.

## Central user management and lab-based control

Reduce local user administration and make responsibilities clearer in shared laboratory environments. For supported instruments, AP Connect uses existing directory services such as LDAP or Active Directory to manage users, roles, and permissions more consistently. With the Labs feature, you can structure instruments, define data visibility, and control who is allowed to execute workflows – helping teams work with less coordination effort and more control.

## Secure and traceable execution

Strengthen secure process chains across your lab. AP Connect helps protect digital data flow between supported systems with HTTPS-based communication and certificate handling – enabling more controlled digital workflows from measurement to analysis. Remote task execution provides clearer traceability by documenting who initiated a measurement and who interacted with it during execution.

## For regulated environments

With AP Connect Pharma, you stay audit-ready with less effort. Review and approval workflows, electronic signatures, and audit trails are combined in one system, so laboratory data can be assessed, released, and traced in a more controlled way. This supports data integrity in daily work, reduces pressure during audits, and gives teams greater confidence. Validation and qualification support is also available.

✂ **Reduce manual effort:** Digitized workflows reduce manual handling and operational workload

🔒 **Improve data integrity:** Fewer manual steps reduce transcription risk and data transfer errors

👤 **Strengthen traceability:** Central user management, lab-based access, and clearer user attribution support controlled workflows

🔒 **Support secure communication:** Protected connections help safeguard digital data flow across the lab

# Set Up Your Connected Lab

| No. | Task Type      | Task Name      | Lot       | Site    | Method  | Machine Position | Status  | Date |
|-----|----------------|----------------|-----------|---------|---------|------------------|---------|------|
| 1   | QC_25165_Check | QC_25165_Check | Lot_25165 | Site_AT | Density | 1                | PLANNED | ---  |
| 2   | QC_25164_Check | QC_25164_Check | Lot_25164 | Site_AT | Density | 2                | PLANNED | ---  |
| 3   | QC_25165_Check | QC_25165_Check | Lot_25165 | Site_AT | Density | 3                | PLANNED | ---  |
| 4   | QC_25165_Check | QC_25165_Check | Lot_25165 | Site_AT | Density | 4                | PLANNED | ---  |
| 5   | QC_25165_Check | QC_25165_Check | Lot_25165 | Site_AT | Density | 5                | PLANNED | ---  |

## Three easy steps

### ① Install

Install AP Connect and, where required, the Instrument Adapter

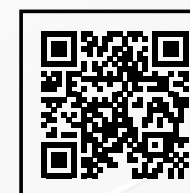
### ② Set Up

Set up users, roles, permissions, exports, and optional central user management (for supported instruments)

### ③ Register

Register your instruments and start structured digital data flow

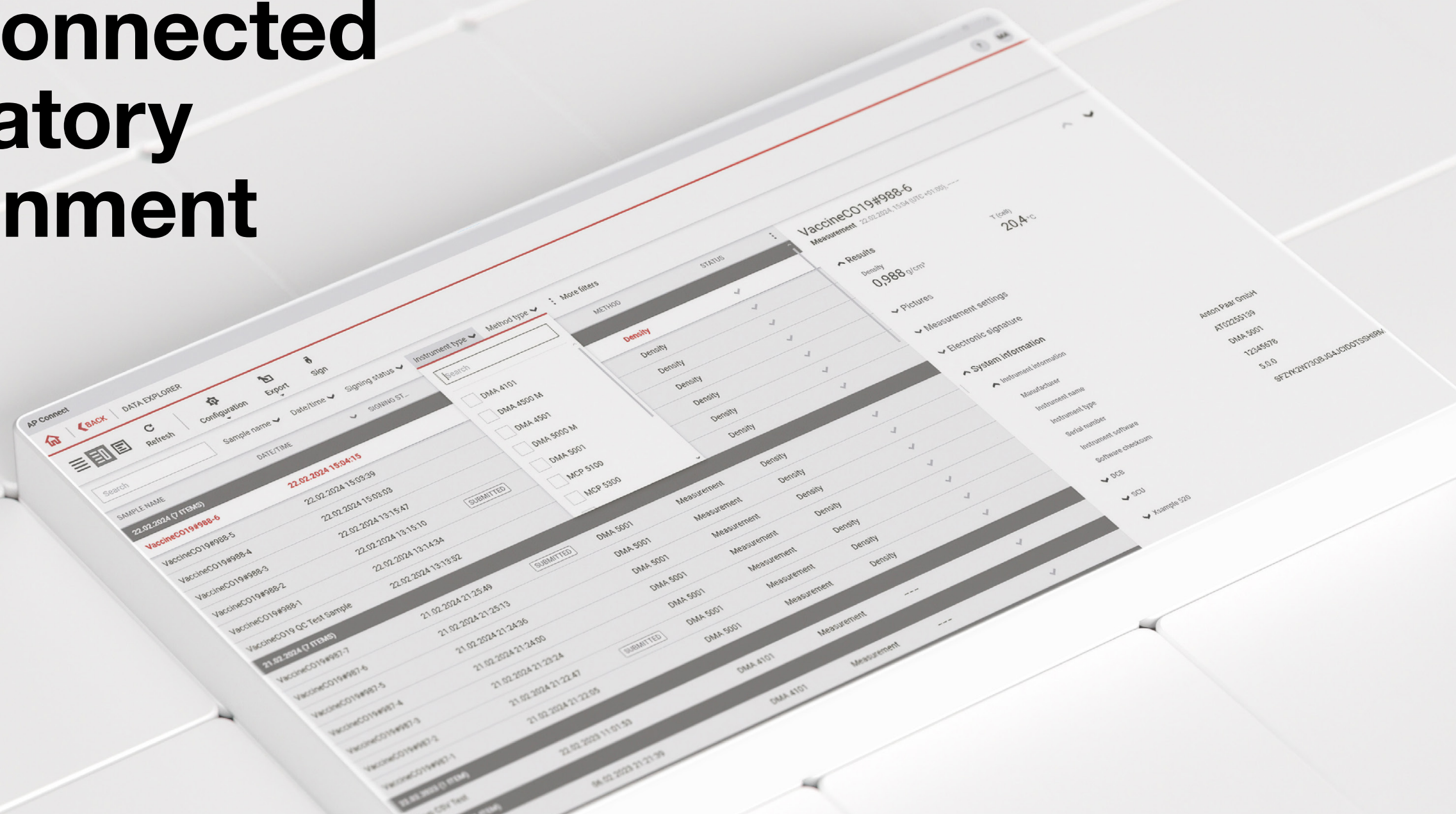
AP Connect provides one digital environment for instruments, data, and workflows. Anton Paar instruments connect directly, with supported instruments from other vendors added via the Instrument Adapter. This creates a central data hub for review, export, REST-based access, and integration into your existing laboratory IT (e.g., LIMS), reducing complexity, eliminating data silos, and enabling structured scalable data flows.



### Do my instruments work with AP Connect?

See which instruments connect directly and which third-party instruments are supported via the Instrument Adapter.

# One Connected Laboratory Environment



## Connect

- Direct connectivity for Anton Paar instruments
- Extend connectivity to supported instruments from other vendors via the Instrument Adapter

**Integrate heterogeneous instruments into one digital workflow.**

## Control

- Central user management across AP Connect and supported instruments (including LDAP/AD support)
- Roles, permissions, and lab-based access structures
- Automated measurement scheduling and execution on supported instruments

**Control access and execution from one system.**

## Collect

- One central database for results, metadata, and settings
- Access across the company network
- Find the data you need faster – without searching through files and printouts

**Spend less time searching, compiling, and transferring data.**

## Communicate

- Fileless data transfer via REST
- Manual and automatic exports
- Configurable CSV export for customer-specific downstream interfaces
- Secure communication via HTTPS where supported

**Fit AP Connect into existing LIMS, ELN, and IT workflows.**

## Check

- Fast access to data for review and follow-up decisions
- Audit trail and review functions support transparent laboratory processes
- Clearer user traceability for remotely started measurements on supported instruments

**Review data and actions in context.**

## Comply

- AP Connect Pharma supports review and approval workflows
- Electronic signatures and audit trails for regulated environments
- Validation and qualification support available for regulated environments

**Support regulated workflows with traceable process control.**

# A Digital Foundation for a Growing Lab

AP Connect gives your laboratory one scalable digital backbone for instruments, data, workflows, and system integration. Centralized laboratory data and a structured digital data flow form the basis for harmonized system connectivity and clearer user governance, with compliance-ready workflows available in AP Connect Pharma.

By reducing manual effort and data silos, AP Connect supports laboratories in progressing toward controlled, integrated, and audit-ready processes.

🔄 **Digital data flow** across connected instruments and systems

🔗 **Integration and automation** via REST, file export, and instrument-specific interfaces

👤 **Centralized user management** with roles, permissions, and lab-based visibility

📄 **Compliance-ready workflows** with review, approval, electronic signatures, and audit trails in AP Connect Pharma

# AP Connect Editions



## Start

For all customers who want to familiarize themselves and grow with AP Connect.

## Standard

Broad-based. For labs and applications across industries.

## Pharma

Focused on labs and operators in highly regulated environments.



|  | Start        | Standard  | Pharma  |
|--|--------------|---|---|
| <b>Industries</b>  |              | Food and beverages<br>Petroleum<br>Chemical<br>Flavors and fragrances | Pharmaceutical<br>Personal care<br>Healthcare<br>Nutraceutical<br>Government compliance |
| <b>License</b>   |              | One-time license fee  |   |
| <b>Instrument connectivity</b>                               | 1 instrument | Up to 100 instruments   |   |
| <b>Data collection</b>                                       | ✓            | ✓   | ✓   |
| <b>Data analysis (results browser)</b>                       | ✓            | ✓   | ✓   |
| <b>Data export</b>   | ✓            | ✓   | ✓   |
| <b>Configurable automatic exports</b>                        | 1 rule       | Up to 100 rules   |   |
| <b>Supported file formats for data export</b>                | PDF, CSV     | PDF, XLSX, CSV  |   |
| <b>Desktop installation</b>                                  | ✓            | ✓   | ✓   |
| <b>Server installation</b>                                   | ✓            | ✓   | ✓   |
| <b>Multi user (client) access</b>                            | 1 client     | ✓   | ✓   |
| <b>User management supporting Active Directory</b>           | ✓            | ✓   | ✓   |
| <b>Fileless data transfer (REST API)<sup>1</sup></b>         | ×            | ✓   | ✓   |
| <b>Connect to instruments from other vendors<sup>2</sup></b> | ×            | ✓   | ✓   |
| <b>Labs: Lab management</b>                                  | ×            | ✓   | ✓   |
| <b>Automated measurement scheduling and execution</b>        | ×            | ✓   | ✓   |
| <b>Roles and permissions</b>                                 | ×            | ✓   | ✓   |
| <b>Review and approval process</b>                           | ×            | ×   | ✓   |
| <b>Electronic signature</b>                                  | ×            | ×   | ✓   |
| <b>Audit trail</b>   | ×            | ×   | ✓   |
| <b>Compliant with Title 21 CFR Part 11<sup>3</sup></b>       | ×            | ×   | ✓   |

✓ Included × Not included

1) Via separate license (extra license costs apply)

2) Additional software needed: Instrument Adapter for AP Connect

3) AP Connect Pharma supports ALCOA++ data integrity principles through review, electronic signatures, audit trail, and access-control feature

