Bio-Rad

A comprehensive suite of software solutions for life science research and clinical diagnostics, including image analysis, qPCR data analysis, and QC data management.

https://www.bio-rad.com/

Overview

Bio-Rad Laboratories offers a broad range of innovative software tools and services for the life science research and clinical diagnostics markets. The software portfolio is designed to complement their instruments and reagents, enabling scientists and clinicians to acquire, analyze, and manage complex data.

Key software products include:

Image Lab Software: Used for image acquisition and analysis of gels and blots from Bio-Rad's imaging systems (e.g., ChemiDoc, Gel Doc). It features simplified lane loading normalization, automated detection of lanes and bands, and complete report generation. The standard edition is available as a free download.

CFX Maestro Software: A complete workflow solution for real-time PCR (qPCR) data collection and analysis, compatible with CFX Real-Time Instruments. It integrates statistical analysis (t-tests, ANOVA), data visualization, and publication-ready graphics production.

Unity Software Solutions (Unity Real Time, UnityWeb, Unity Next Peer QC): Advanced Quality Control (QC) data management tools for clinical laboratories. These solutions provide peer comparison, daily QC, advanced charts, supervisor review, and comprehensive audit trails to help meet compliance requirements. Unity Next Peer QC is a centralized cloud-based platform.

BR.io Cloud Platform: A cloud platform that integrates with instruments like the CFX Opus Real-Time PCR system for remote experiment design, instrument monitoring, and data analysis/management.

Target Users and Use Cases

The software targets a wide range of users, including university and research institutions, hospitals, public health and commercial laboratories, biotechnology, pharmaceutical, food safety, and

environmental quality labs. Use cases span genomics, proteomics, drug discovery, infectious disease testing, and quality control in clinical settings.

Key Features

- QC Data Management and Peer Comparison
- Gel and Blot Image Acquisition and Analysis
- Real-Time PCR (qPCR) Data Analysis
- Statistical Analysis and Data Visualization
- LIS/LIMS Connectivity and Middleware
- Automated Analysis and Reporting
- Cloud-based Experiment Management (BR.io)
- Remote Instrument Service and Support (BRiCare)

Pricing

Model: enterprise

The Image Lab Standard Edition software is available as a free download. Security Editions (e.g., Image Lab Security Edition, CFX Maestro Security Edition) and Unity QC solutions require a license or subscription, often tied to the purchase of a Bio-Rad instrument or a service contract.

Target Company Size: small, medium, enterprise

Integrations

LIS (Laboratory Information System)

Compliance & Certifications

FDA 21 CFR Part 11