

How Modern Technology Can Help Mitigate Risk and Failure in the Pharma QC Lab

Discover how our analytical instrumentation, chemistries, purpose-built informatics, and industry-leading service organization can help you eliminate the issues associated with older technology and out-dated manual processes.



The Challenge

Aging analytical technology can have a big impact on your time, your operational costs, exposure to risk of errors, and ability to meet deadlines.

Cost of
downtime

\$260 K
per hr.

Outdated
instruments
& software

Increased
operating costs

82% of
organizations

Experienc
unplanned
events

Outdated instrumentation and software can contribute to significant unplanned downtime due to:

- ▶ Inability to assure regulators that your data supports product quality and consistency
- ▶ Lengthy troubleshooting, increased repairs, difficult-to-find replacement parts
- ▶ Increased vulnerability to cyber security attacks

The prevalence of unplanned, unexpected downtime is high:

- ▶ 82% of global organizations surveyed experienced at least one unplanned event which involved critical assets over the past three years¹
- ▶ The costs associated with that downtime were an average of \$260,000 per hour

¹Vanson Bourne and ServiceMax, After the Fall: The Costs, Causes and Consequences of Unplanned Downtime, Feb 03, 2021.

The Solution

Modern technology can drastically improve quality management in the laboratory by minimizing downtime and associated costs, improving productivity and security, and reducing compliance issues.

Reduce

failures

Avoid

human
error

Protect
against

data
breaches

Modern systems enable:

- ▶ Reduced risk of failed analyses and missed deadlines
- ▶ Efficiency savings through intuitive software and hardware features
- ▶ Avoidance of human errors
- ▶ Protection against increasing regulatory scrutiny
- ▶ Safeguarding against data breaches
- ▶ Reduced repair costs

Discover more at [waters.com/lcportfolio](https://www.waters.com/lcportfolio)

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