![tetrascience]

The Tetra Scientific Data and AI Cloud for Executives

GUIDE

Biopharmaceutical organizations aiming to accelerate therapeutics development, reduce costs, and gain a competitive edge must leverage Scientific AI. Leaders need to ensure that their scientific raw data is optimized for value-generating AI applications.

The Tetra Scientific Data and AI Cloud™ solves connectivity and automation needs today while engineering analytics- and AI-ready datasets for science. With the Tetra Scientific Data and AI Cloud, you can fully harness your data for Scientific AI, accelerating and improving scientific outcomes.

Solve your scientific data problems today and prepare for the future

The Tetra Scientific Data and AI Cloud collects, centralizes, and harmonizes all your scientific data across R&D, QA/QC, and manufacturing—fully optimizing it for analytics and AI.

- **Free up over 50% of your scientists' time currently spent manually handling data**
- **Simplify data workflows by eliminating 60% of steps**
- **Reduce data search times by up to 8 hours**
- **Accelerate data preparation by 25x, including gating and QC**
- **Expedite time to insight from 1 week to 1 hour**

Improve scientific use cases across your company

Purpose-built for science, the Tetra Scientific Data and AI Cloud supports a wide range of use cases, including *high-throughput screening, batch release and stability, bioprocessing purification, chromatography, biologics characterization and critical quality attribute (CQA) monitoring, preformulation and formulation screening, biologics lead identification and optimization, mRNA synthesis and QC, cell culture fermentation, cloning and protein expression, instrument utilization,* and many more. By optimizing these, you can:

- **Increase screening throughput by 3x**
- **Reduce out-of-specification events by 75% and eliminate lengthy and costly investigations**
- **Accurately predict shelf life 50x faster**
- **Cut wet lab experiments by 50% with *in silico* methods**
- **Reduce CMC testing and cut process development times by 20-30%**
- **Save 1 year per development project**

Leverage our Sciborg experts and solve problems you didn't know you had

The Tetra Sciborg team helps customers align IT and business teams, shorten time to value, maximize return on investment, and achieve wide adoption of the solution. Their impact at customers includes:

- **5-10x increase in screening throughput without expanding the lab footprint**
- **20-30% faster turnaround time to inform process development**
- **Over 50% productivity gains and 75% reduction in errors through lab data automation**
- **50x faster assembly of stability data for trending**
- **Over $15M in annual CapEx savings and up to $15M saved in additional lab space**

Build unprecedented long-term value

Partnering with TetraScience to harness the value of your scientific data will help you:

- **Lower costs, improve productivity, and accelerate time to scientific insights across R&D, QA/QC, and manufacturing**
- **Uncover use cases for Scientific AI with tangible, explainable outcomes**
- **Realize the full potential of your AI/ML projects with AI-native data that is purpose engineered for science**