



SCIGILIAN

simplifying Life Science IT



ANALYZE™

collaborative assay data analysis



SCIGILIAN
simplifying Life Science IT

Analyze Datasheet

Scigilian's Analyze web-based assay data analysis system provides your assayists and investigators with the tools to consistently analyze their biological assay results according to your business rules and industry best-practices.

Flexible and consistent

Through its Analysis Protocols, Analyze enables you to define exactly how all tested samples will be analyzed. Analysis Protocols allow you to define the analytics applied to your raw results, as well as the business rules for identifying hits or qualifying potency results. Its extensive dictionary of analytics makes even the most esoteric analyses possible.

By encoding how each assay is analyzed in an Analysis Protocol, Analyze ensures that results are comparable regardless of who performs the analysis. Now you can define your Analysis Protocols once and rest assured that the results produced by your external partners will be comparable to the results you produce in-house.

Collaborative

Analyses are stored centrally in Analyze enabling multiple users to collaborate while still ensuring there is but one version of the truth. By granting access to your external partners all of their work is accessible to you. The results produced within Analyze are easily uploaded into your corporate repositories, thus removing the need to transfer results by email or spreadsheet.

While most organizations have an open-access policy on results when it comes to internal users, external partners often need to be limited in terms of what they can access. Analyze ensures your secrets stay secret by allowing you to protect your intellectual property with granular access controls, establishing in clear terms what your external partners can see and do.

Promotes best-practices

Often, organizations develop approaches or standards for the analysis of assay results, such as those found in the NIH Assay Guidelines. Analyze supports these business rules in its Analysis Protocols guaranteeing that data analysis within or for your organization conforms to your standards.

All linear and non-linear regression within Analyze is resistant to outliers through the use of modern statistical techniques that are able to identify and down-weight results that are outside the norm. Automatic detection and handling of outliers means more time can be spent investigating interesting results and less time rejecting points in order to yield a good fit.

Unconstrained

The underlying analysis engine that Analyze uses was designed to support speedy calculation, and recalculation, while not being limited to a maximum number of plates, samples, or data points. Analyze automatically scales with demand, such as when very large datasets or very many runs are analyzed, ensuring that users aren't kept waiting.

Having an efficient engine is but one side of the story. Analyze is also parsimonious with client resources, enabling it to be used from smartphones and tablets as well as fully-fledged workstations.