

A close-up, slightly blurred image of a microscope's objective lenses and eyepiece, set against a light blue background. The image is overlaid with a semi-transparent dark blue filter. On the left side, there are two red geometric shapes: a square at the top and a trapezoid at the bottom, both pointing towards the center. The text is overlaid on this background.

[TECHNOSSUS]

Optimizing Laboratory Automation And Testing Capacity

Biocept pivoted from cancer to COVID testing and increased testing capacity by over 1200 per day.

The Goal

Automate workflows and processes to handle high amounts of data associated with bulk COVID testing and reporting.



The Challenge

Biocept wanted to streamline data workflows, test processing, and result management to dramatically increase their testing capacity as they pivoted to COVID testing.



The Solution

- The Technossus team automated their accessions and data entry process so test data was received electronically and staff no longer had to enter it by hand.
- The team developed and implemented a custom LIMS integration with CareEvolve and ELLKAY so Biocept instantly receives the electronic test record from hospitals.
- The team implemented a barcode system on the physical samples that enables staff to automatically load the test data from ELLKAY to Biocept's LIMS.



The Result

Technossus' workflow automation and custom LIMS integration increased Biocept's testing capacity from 50 to over 1300 tests per day, enabled bulk order entry/reporting, and allowed data to be transferred directly to and from their LIMS system and CareEvolve/ELLKAY.