

 BACTOFLEX-SEQ[®]

About Bacto Flex-Seq®

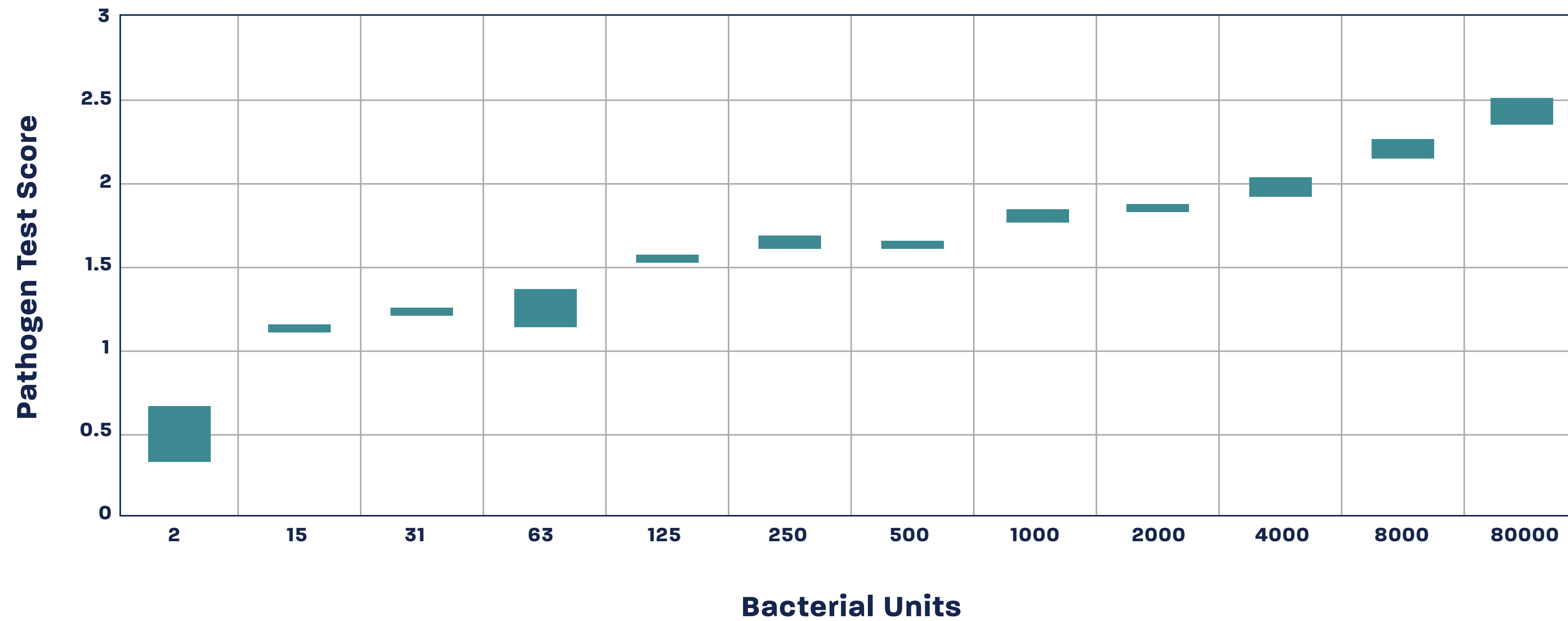
Bacto Flex-Seq® empowers commercial veterinary organizations across the world to proactively optimize disease outbreak management by leveraging the ultimate tool for accurate and reliable bacterial pathogen detection. Thanks to the innovative power of next-generation sequencing (NGS) technology, end-users achieve conclusive, first-in-class diagnostic clarity for improved animal health and welfare. Bacto Flex-Seq® introduces a new era of certainty, and we can start right now.

Veterinary organizations choose Bacto Flex-Seq® to monitor pathogen levels, providing valuable supplemental insights into the efficacy of disease management programs. Additionally, results are benchmarked on regional, national and international scales. In the event of an associated disease challenge or during routine monitoring, users can also identify and compare multiple strains both between and within samples. Collecting samples is fast and easy with FTA cards and with accompanying data submitted via iPhone app. The arrival of Bacto Flex-Seq® – powered by commitments to innovation, quality, and precision – introduces the new industry standard for bacterial pathogen monitoring and characterization.

- Available to support a wide range of DNA and RNA pathogens
- More precise than culture, more sensitive than rtPCR, more powerful than Sanger Sequencing
- Sequence based assay provides no possibility of false positive from testing cross-reactivity
- Internal control utilizing host's genome provides a clear indication of sample validity and eliminates the possibility of invalid samples being interpreted as negative test results
- Host internal control provides quantitative data to normalize sample test results, producing a sample's Pathogen score. Scores can be directly compared for samples across time points or locations

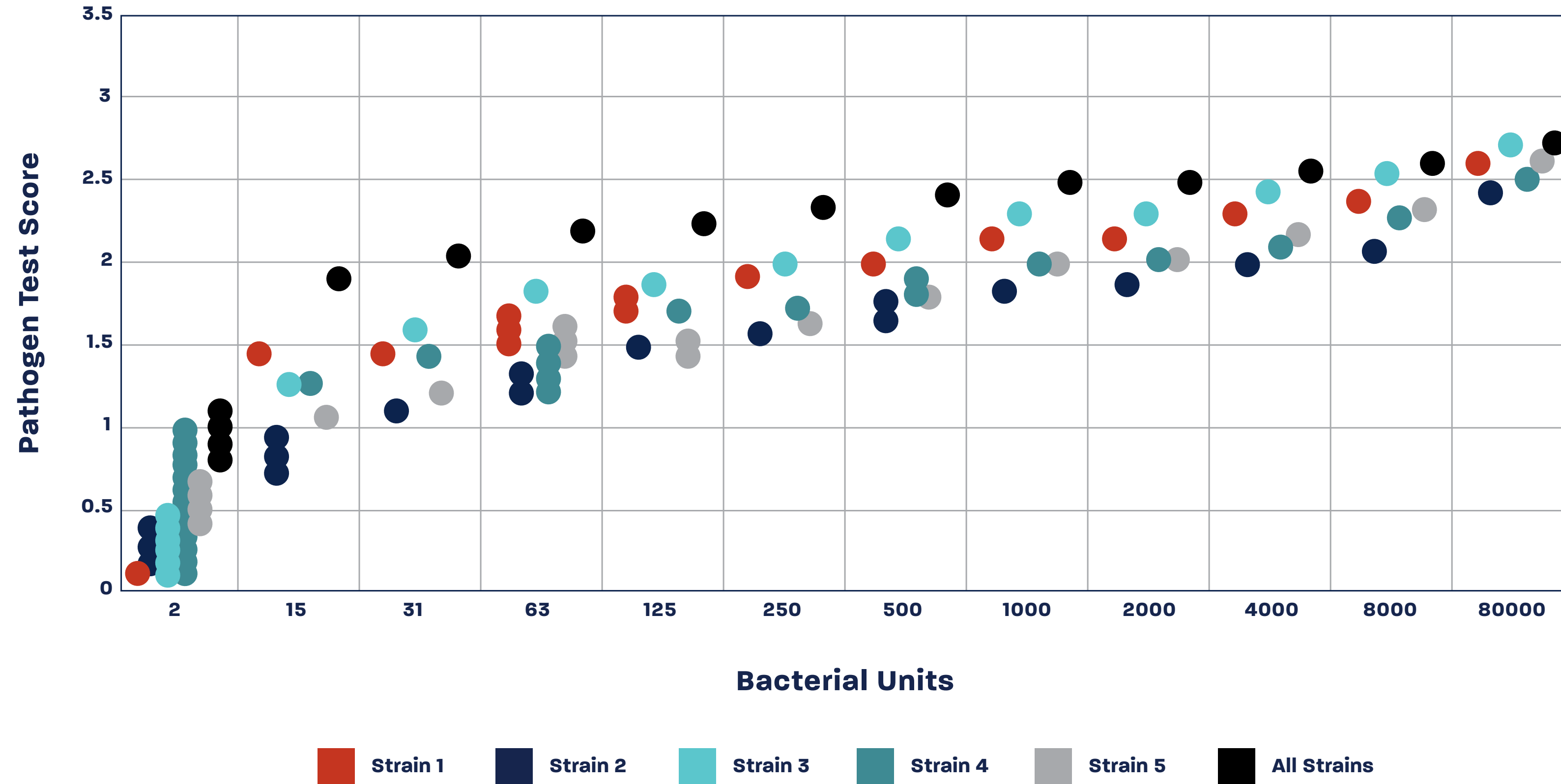
Bacto Flex-Seq[®] Detection Limits and Sensitivity

Bacto Flex-Seq[®] Detection Sensitivity



Bacto Flex-Seq[®] Detection Limits and Sensitivity

Bacto Flex-Seq[®] Detection Sensitivity (Pooled Testing)



Bacto Flex-Seq[®] Detection Limits and Sensitivity

Bacto Flex-Seq[®] sensitivity, through the use of next-generation sequencing (NGS) technology, can detect bacterial pathogens reliably with as few as 15 copies of the pathogen genome present per sample. Additionally, Bacto Flex-Seq[®] multiplexing technology can identify and individually resolve multiple pathogen strains within a single sample using just one test assay.

LEADING A NEW ERA OF GENOMICS

At Rapid Genomics, the key to improving the future is within the secrets of the genome. Our mission is to expand global access to the technologies required for uncovering those secrets with the highest standards of accuracy and reliability. We provide flexible solutions to a range of commercial and research interests focused on agriculture, veterinary genomics, healthcare, and evolutionary biology. Our customers partner with us to advance their goals and, ultimately, strengthen the industries that do everything from producing our food to curing disease.



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