

INVIBRAGEN WEBSITE COPY

(PHASE 1)

Homepage

Move Faster. Spend Less. Discover More.

Invibragen partners with research labs to overcome the traditional trade-offs between speed, cost, and data quality. By making large-scale molecular analysis practical and reliable, Invibragen enables labs to unlock new biological insight at a scale that was previously impractical or impossible.

Pillars

1. Move Faster with Ultra High-Throughput Analysis

Invibragen delivers dramatically higher sample throughput without sacrificing data quality.

This includes:

- Speed: Up to 10x faster turnaround time from sample to insight
- Sensitivity & Fidelity: Maintains sensitivity at high speed—and in many cases detects more signals by capturing a broader molecular range
- Flexibility: Applicable across blood, saliva, and other matrices

2. Lower Cost per Result

Higher throughput directly improves lab economics:

- Greater output from existing infrastructure, increasing the value of current instruments and teams
- Fewer re-runs and failed analyses, reducing wasted time, samples, and reagents
- Lower cost per meaningful result, driven by higher utilization and more efficient workflows

3. Discover More at Scale

In traditional workflows, researchers studying treatment response are often limited to small cohorts and a narrow set of measured molecules, making it difficult to separate true biological signals from noise. By working with Invibragen, research teams can analyze orders of magnitude more samples across thousands of proteins or metabolites - in a fraction of the time and cost of traditional workflows. The result is greater statistical confidence and more reliable population-level discovery, delivered with speed and efficiency.

PRODUCTS & SERVICES

Powered by Spanda™ Technology

Spanda™ is Invibragen's proprietary vibrating sharp-edge spray ionization (VSSI) technology, designed to enhance ionization efficiency while supporting high-throughput, multimodal mass spectrometry workflows. The platform enables broad applicability across analytes, matrices, and experimental designs.

Spanda™ Product Line:

- Spanda™ Multimodal Ion Source
- Spanda™ Micro Ion Source
- Spanda™ Trace Ion Source

Work With Us

Invibragen partners with research labs across academia, biotechnology, pharmaceutical R&D, and government to deliver high-throughput proteomics and metabolomics at scale. Using its proprietary Spanda™ technology, Invibragen enables faster, more efficient analysis of blood and other biological samples—allowing research teams to process dramatically more samples, lower cost per result, and unlock discoveries that are difficult or impractical with conventional workflows. Services are designed to integrate seamlessly with existing lab infrastructure, delivering immediate impact without added complexity.

ABOUT

About Invibragen

Invibragen focuses on enabling high-throughput molecular analysis and advancing cutting-edge research in ionization sensitivity, ion source utility, and emerging analytical applications. The company's Spanda™ platform is backed by peer-reviewed research and supported by federal research funding, including multiple awards from the U.S. National Science Foundation and National Institutes of Health.

Invibragen is led by **Professor Stephen Valentine** and **Professor Peng Li**, experts in bioanalytical chemistry and instrumentation, and a multidisciplinary team working at the intersection of analytical chemistry, mass spectrometry, and applied research.

CONTACT US

Contact Us

Interested in exploring high-throughput discovery workflows or initiating a pilot study? We look forward to connecting.

Email: contact@invibragen.net