



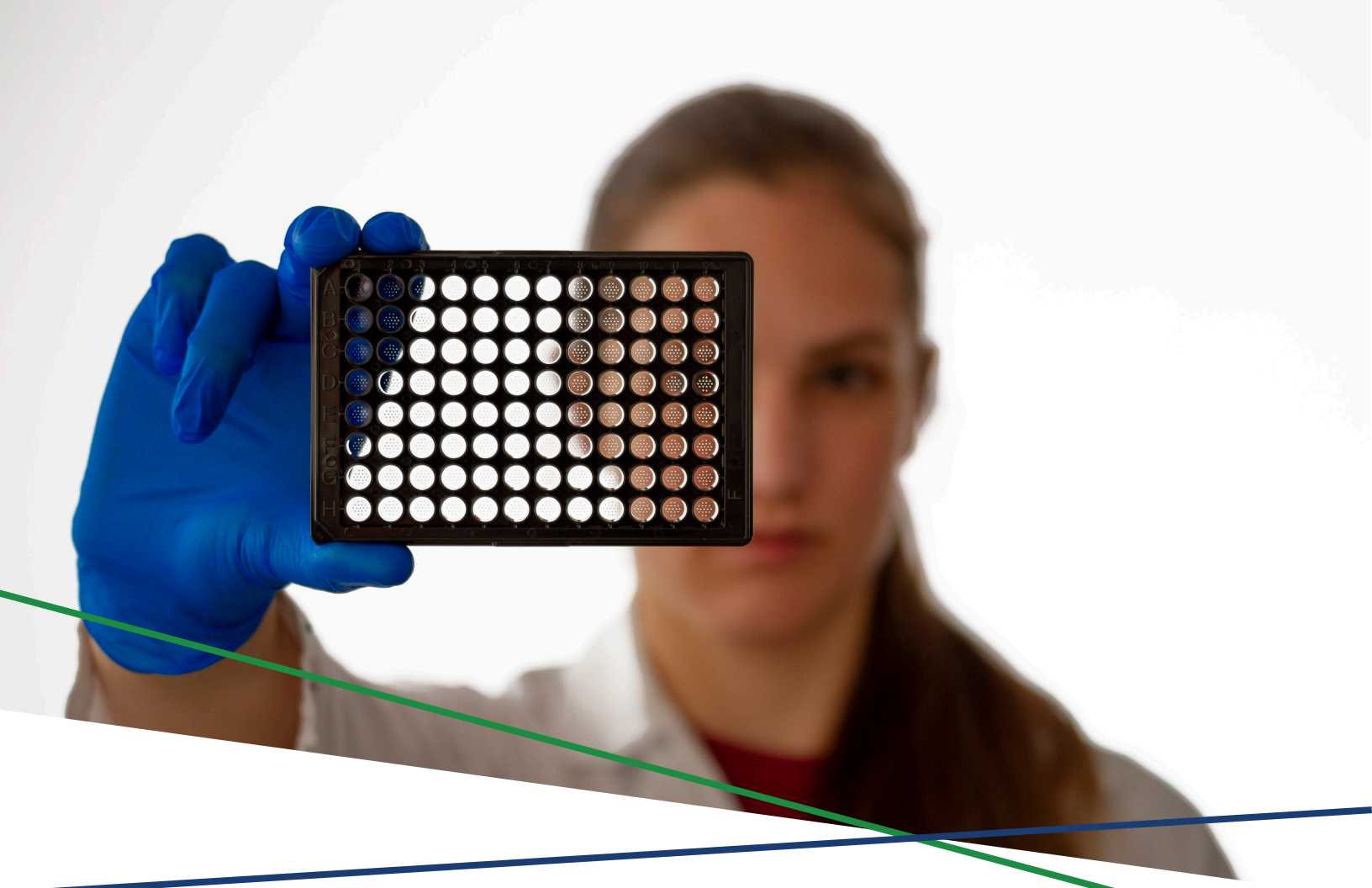
# Multiplex Your Assays

Quansys can help you combine the assays you depend on in an efficient multiplex panel.



365 North 600 West Logan, Utah 84321 USA | **Email:** [info@quansysbio.com](mailto:info@quansysbio.com)

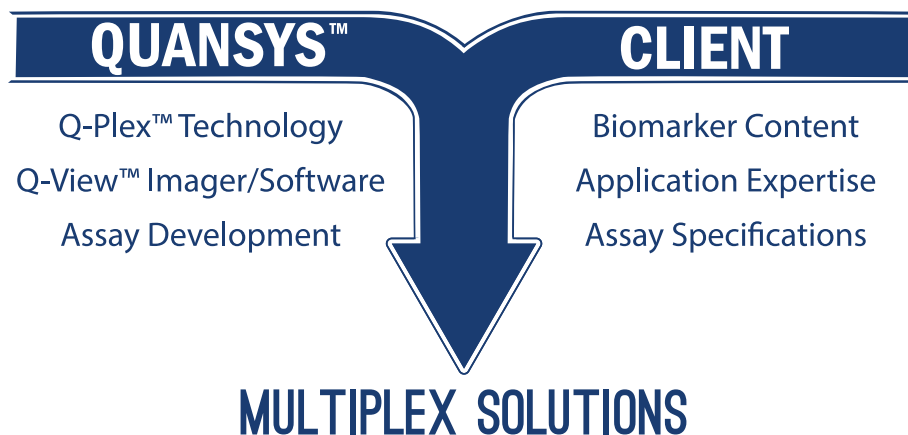
**Toll Free:** 888-782-6797 | **Fax:** 435-750-6869



## Meet Market Demands With Custom Multiplex Solutions

Current market realities make it more important than ever to get the most out of every patient sample. Multiplexing with Quansys Biosciences' Q-Plex™ Technology allows you to combine multiple single ELISAs or western blot assays into

one multiplexed panel. The efficiencies of multiplexing can help you better manage a greater number of samples, testing a growing number of disease indicating biomarkers, demand for tight turnaround times, and increasing cost pressures.



## Combine Your Expertise With Ours To Create Better Assays

You specialize in providing reliable and timely disease indications. We specialize in helping our customers adapt their defined content into multiplex panels. You know your scientific applications and the required specifications. We know how to combine multiple analytes and precisely deliver them in an array based panel. Many of our customers start with single assays that work well independently and through their collaboration with Quansys, finish with game changing multiplexed solutions.

## Building Your Custom Multiplex Panel With Quansys

Our development team can build multiplex panels using a variety of different ELISA formats including sandwich, competitive, direct, indirect, autoantibody and immunogenic. Often, these formats can be incorporated into the same array, providing you with significant flexibility in choosing your panel. Further, you have the option of selecting analytes from a variety of sources.

### Development Options

1. **Our Content** - Choose a panel containing a combination of over one hundred plus unique and validated assays and have your kit manufactured and shipped in as little as 1-2 weeks.

2. **Your Content** - Provide your proprietary content to be used in development of your custom array.

3. **New Content** - Define your desired content requirements. We will source appropriate antibodies or proteins for the development of your custom array.

Development and production of printed plates and complete multiplex kits is performed in compliance with agreed-upon guidelines and specifications. We also develop lyophilized reagents for long-term stability and can help develop controls used for calibration curve generation.

## Development Process

### Phase I Proof of Concept

- Qualitative assays built
- Reagent functionality tested
- Cross reactivity tested
- Foreground to background determination

### Phase II Optimization & Characterization

- Optimization of assays: array, reagents, and protocols
- Characterization: precision, linearity, recovery, sensitivity, cross reactivity, backfit, drift, edge effect, sample correlation and inference

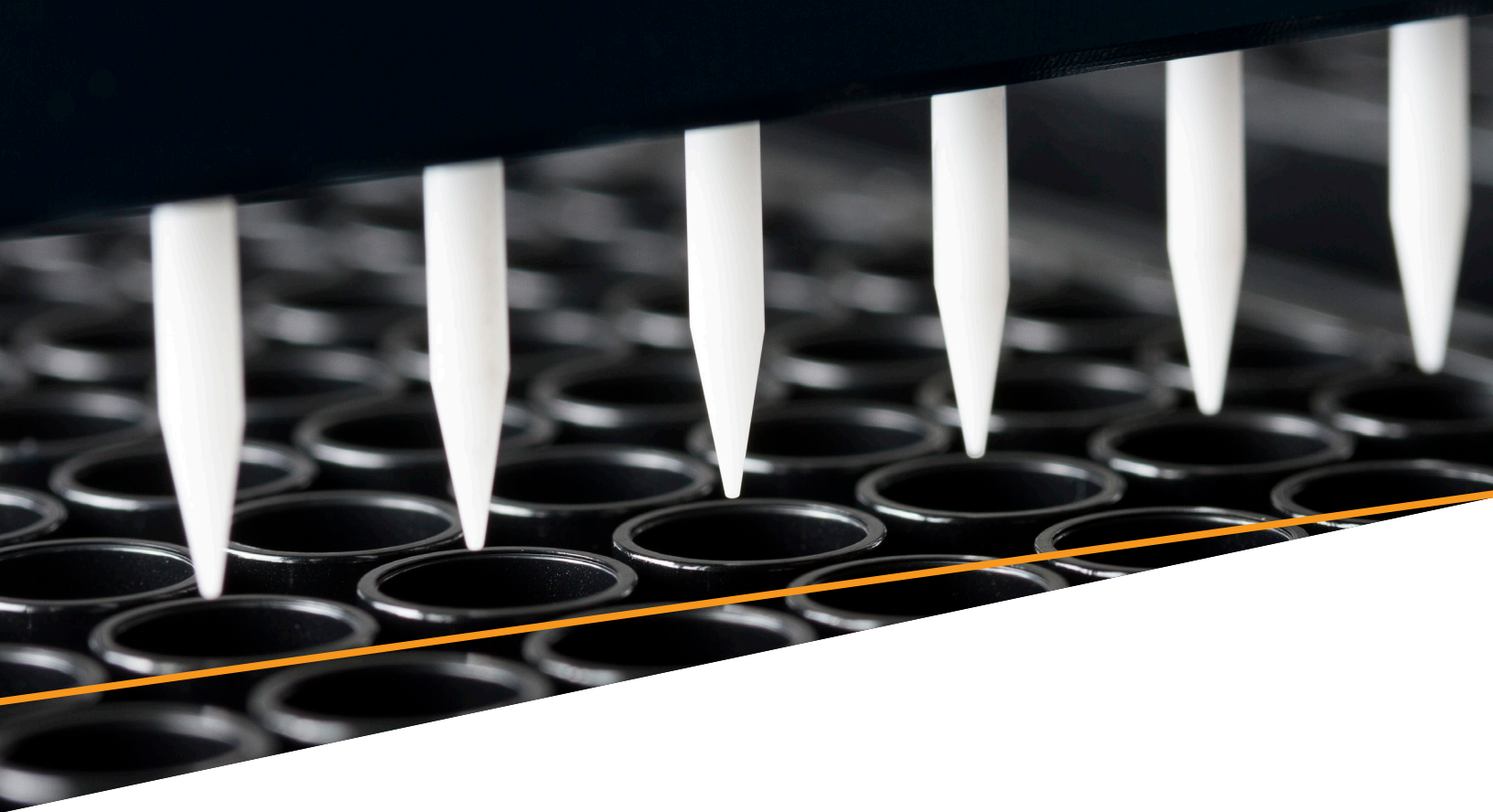
### Phase III Performance Verification

- Verify Phase II specs: precision, linearity, recovery, sensitivity, cross reactivity, backfit, drift, edge effect, sample correlation and inference
- Stability (real time and accelerated)

### Phase IV Pilot Production & QC Release

- Create production documentation
- Prepare plates and reagents
- QC testing and release





## Printing Expertise

With our precise printing process we can deposit an array with as many as 18 biomarker targets per well in a 96-well plate. We can also print up to four biomarker targets per well in a 384-well plate. Our experienced scientists, engineers, and technicians determine the appropriate printing parameters for each multiplex panel including: array layout, spot location, spot size, spacing, and protein concentrations. Our team also has the know-how to print a wide range of proteins for custom applications, including: antibodies, peptides, purified proteins, recombinant proteins and cell lysates.

Once assay content is defined and configured into a defined array we then print in a controlled manufacturing environment. All printed plates are imaged and visually inspected to ensure consistency of the array in each well of the plate. Every batch is produced according to predefined specifications, documented in controlled batch records, and tested for function and performance. By focusing on quality we can deliver consistent multiplex panels time after time.

## Regulatory Compliance

Quansys Biosciences' robust quality system ensures customers get the exact product they expect. Further our system complies with applicable regulatory standards.

- Registered ISO 9001:2015
- Registered ISO 13485:2016
- Compliant with the GMP standards outlined in 21 CFR 820

## Our Commitment

Quansys Biosciences is committed to exceptional customer service, high quality products, and developing employees; while complying with, maintaining, and improving the effectiveness of the quality management system.



[www.quansysbio.com](http://www.quansysbio.com)

