



nexelis

disciplined agility

assay development • specialty testing



SPECIFIC APPLICATIONS

Immunochemistry

- State-of-the-art automated liquid handlers (e.g. TECAN, Biotek, etc.)
- Microplate readers (e.g. absorbance, fluorescence, electrochemiluminescence, AlphaLISA, etc.)
- **Up to 2,000 samples per analyst per week**

Virology

- Automated acquisition and analysis
- Neutralization, ELISpot, multiplexing & titration reader
- Capacity: 90 plates per run, 5 minutes per plate
- **Up to 720 samples per analyst per week**

Bacteriology

- Automated acquisition and analysis
- Opsonophagocytic and bactericidal reader
- Capacity: 180 plates per run, 5 minutes per plate
- **Up to 480 samples per analyst per week**



HIGH THROUGHPUT TESTING

Multiple automated systems are available for high-throughput analysis to support large clinical trials requiring fast data generation.

We can generate over 250K results annually.

Automated Liquid Handlers

Assessment of immune response in serum, plasma or cell culture supernatants.

- Sample preparation, dilution and plating
- Pressure-monitored pipetting
- Bar code tracking
- Full traceability of results
- Fast result delivery



Automated Image Analyzers

Unique high throughput image analysis systems allowing the determination of plaque-forming-units (PFU) or colony-forming-units (CFU).

- Automated acquisition and analysis
- Full traceability of results
- Objective results
- Daily calibration

Neutralization – Multiplexing – Titration Reader

- ~ 5 minutes per plate
- Up to 8,640 well counts per run

Opsonophagocytosis and Bactericidal Reader

- ~ 5 minutes per plate
- Up to 17,280 well counts per run

Custom Template Development for Data Analysis

- Excel programming/validation
- SoftMax Pro programming/validation
- Raw data integrity

