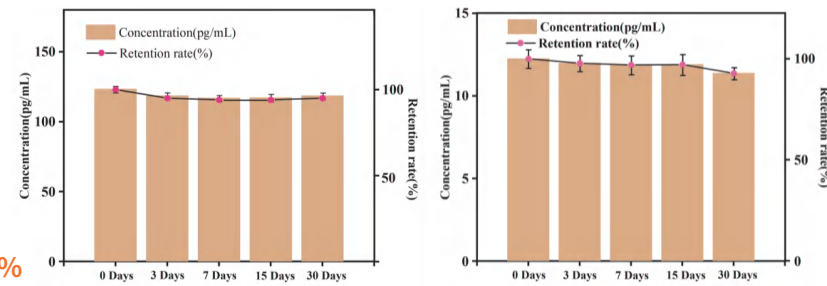


## TEST DATA

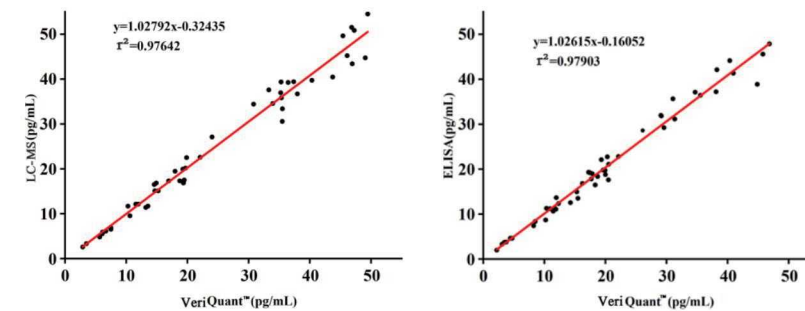
### Stability Test

- ◆ **Test temperature:** 37°C
- ◆ **Test duration:** 3, 7, 15, 30 days
- ◆ **Test samples:**  
Human IL-6 high-concentration serum samples (n=26)  
Human IL-6 low-concentration serum samples (n=17)
- ◆ **Test result:**  
Activity retention rate exceeds **95%**



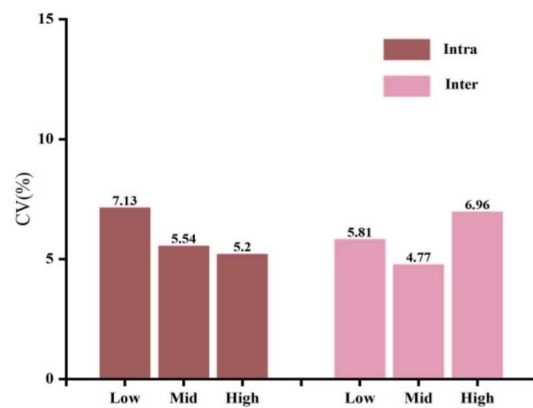
### Consistency Validation

- ◆ Simultaneous testing of Human IFN-γ in human serum samples (n=47) with traditional ELISA kit: correlation coefficient **r=0.9893**
- ◆ Simultaneous testing of Human IL-10 in human serum samples (n=56) with LC-MS: correlation coefficient **r=0.9765**



### Intra-batch & Inter-batch Variation

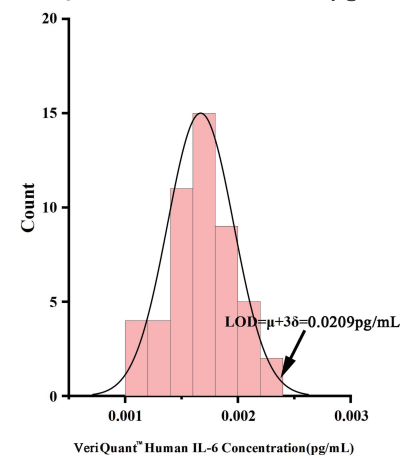
- ◆ **Test design:** Randomly selected intra-batch (n=8) and inter-batch (n=5) of Mouse IFN-γ kits
- ◆ **Test samples:** High, medium, and low concentration samples with known concentrations



Batch variation range: **4.77%-7.13%**

### Femtogram-Level Sensitivity

- ◆ **Test design:** 50 blank controls were tested (sample dilution buffer)
- ◆ **Sensitivity:**  $LOD = \mu + 3\sigma = 0.0209 \text{ pg/mL}$



VeriQuant™ Human IL-6  
Detection range: **0.064–5000pg/mL**  
Sensitivity: **0.0209pg/mL**



Reed Biotech®



TEL: +86 027-6531-6809



Web: [www.reedbiotech.com](http://www.reedbiotech.com)



E-mail: [info@reedbiotech.com](mailto:info@reedbiotech.com)



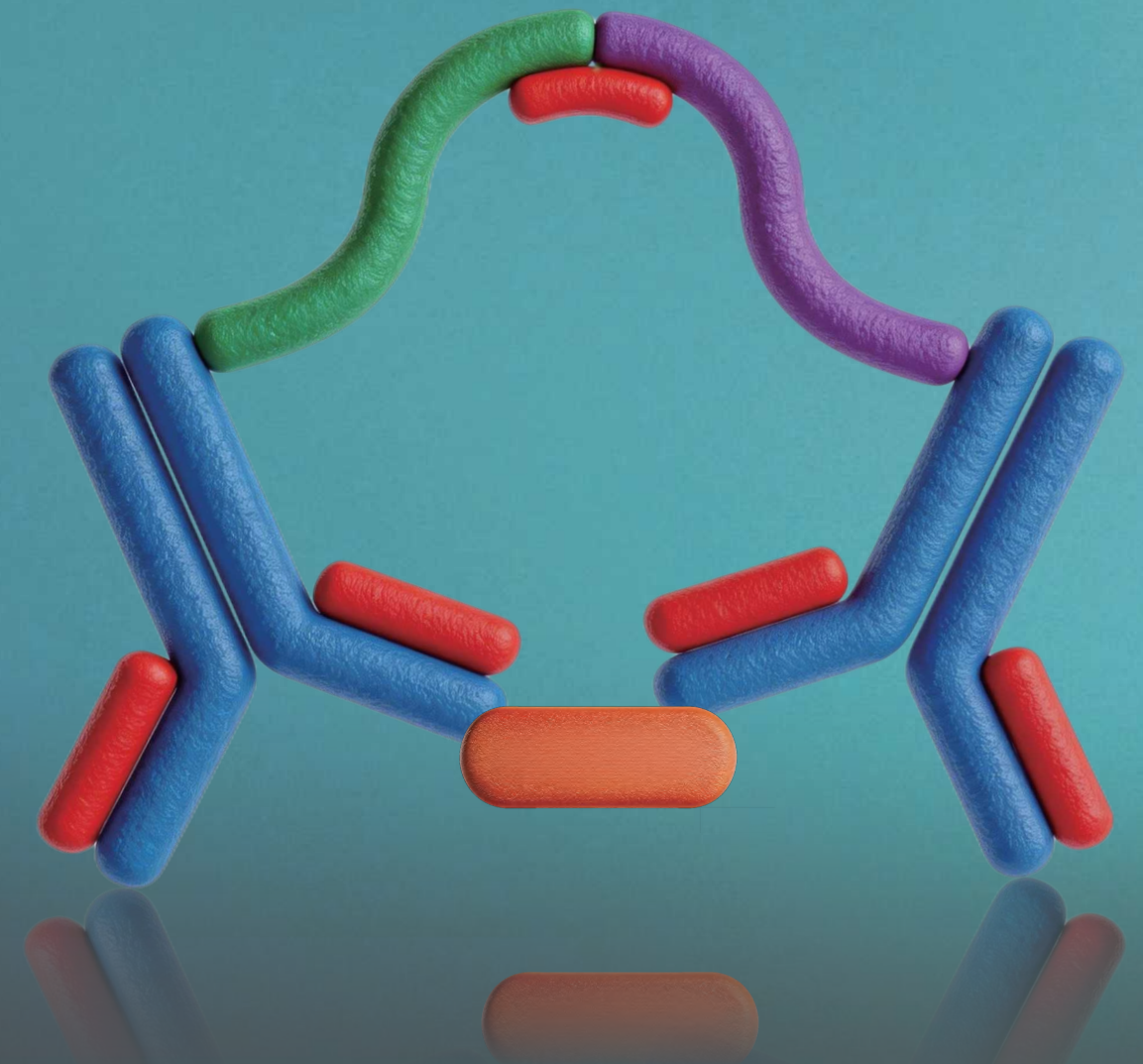
Address: Building B3-3, Biolake, No. 666 Gaoxin Avenue,  
East Lake High-tech Zone, Wuhan, PRC



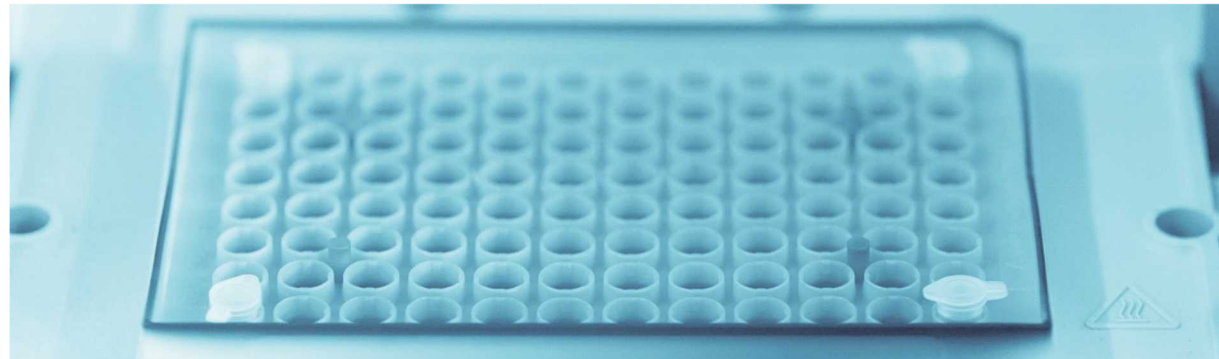
Reed Biotech®

# VeriQuant™

Ultra-Simple Rapid Test · Ultra-Sensitive & Precise

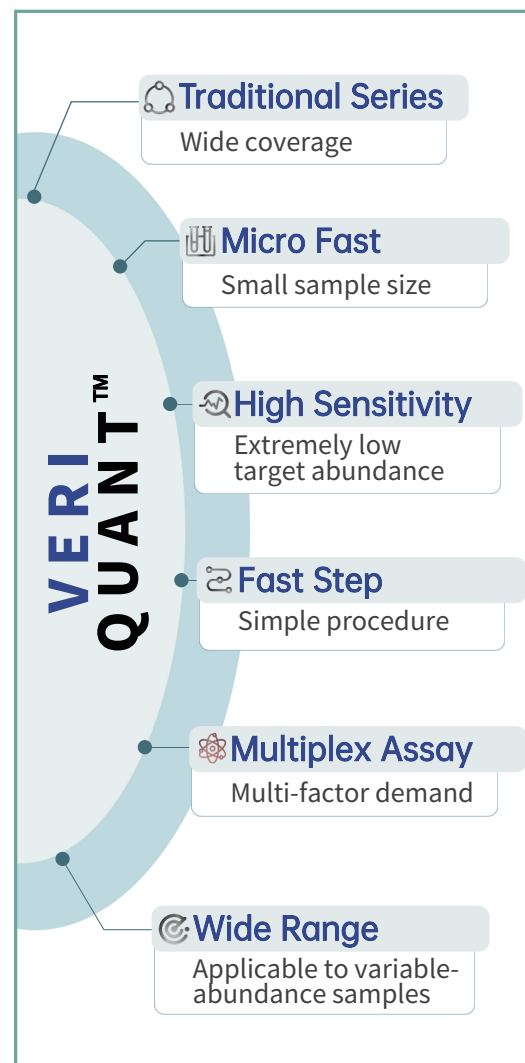


## PRODUCT INTRODUCTION



Reed Biotech "VeriQuant™" Immunoassay Kit | Brand-new ready-to-use test reagents, accurate target measured with micro samples, bid farewell to cumbersome operations, unlock a new solution for efficient and sensitive detection

## ALL IN ONE

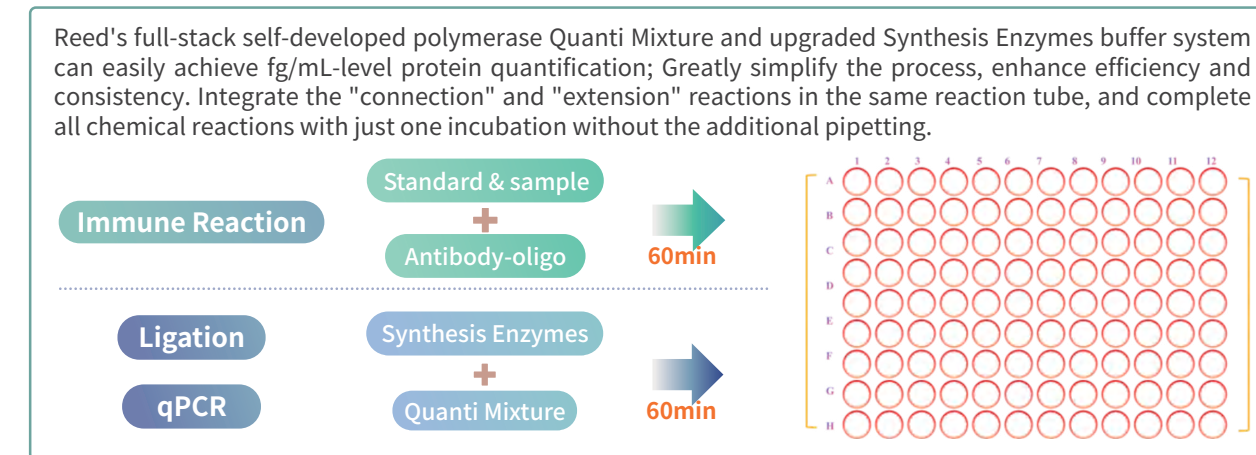
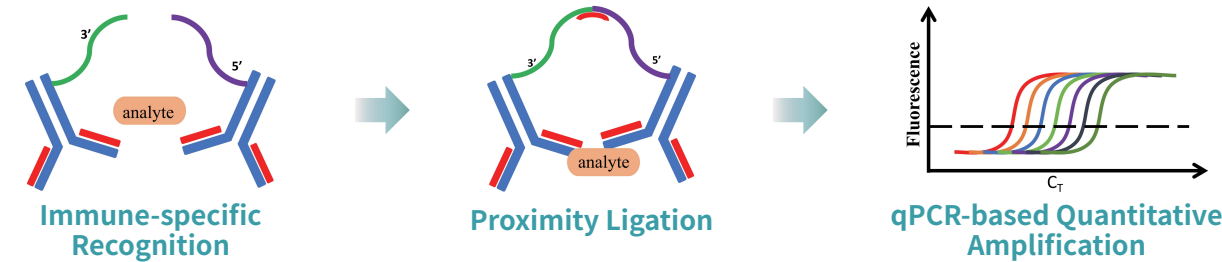


## PRODUCT ADVANTAGES

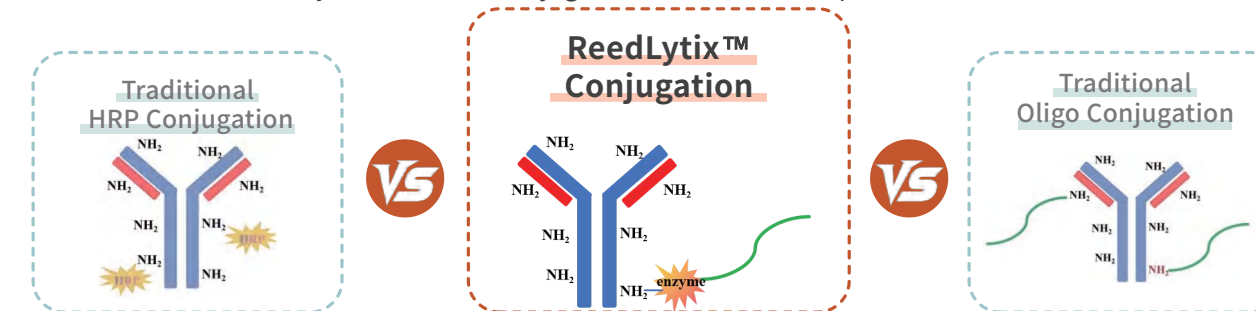
- ◆ **Ultra-Sensitivity:**  
All products achieve femtogram-level sensitivity
- ◆ **Wide Range:**  
Product detection range spans **6-log dynamic range**
- ◆ **Multiplex Detection:**  
Support multi-factor detection
- ◆ **Micro-Volume:**  
Minimum sample size is only **1μL**
- ◆ **ALL IN ONE:**  
Replace Traditional, High-Sensitivity, Micro-Fast, Fast-Step, Wide-Range, and Multiplex Assay simultaneously
- ◆ **Fast:**  
Total assay time: **2 hours** ( **30 minutes** of manual handling)
- ◆ **ONE POT:**  
Entire reaction performed in **one tube** without plate washing, transfer and extra operations
- ◆ **Consistency:**  
Sample test consistency exceeds **95%** compared with traditional ELISA, LC-MS and other systems
- ◆ **Batch Variation:**  
Intra-batch and inter-batch variations are both below **8%**
- ◆ **Stability:**  
After **30-day** accelerated degradation at 37°C, performance retention rate remains above **95%**
- ◆ **No Transportation Concerns:**  
Equipped with ultra-low temperature phase-change materials throughout transportation

## FULL-STACK SELF-DEVELOPED SYSTEM EMPOWERING COMPREHENSIVE PERFORMANCE ENHANCEMENT

- (a) Two monoclonal antibodies against distinct epitopes are conjugated with oligo probes, then form a sandwich complex with the antigen.
- (b) Following antigen recognition by the paired antibodies, the conjugated oligonucleotides are spatially proximate, and generate an amplifiable dsDNA template under the enzymatic action.
- (c) qPCR amplification is then performed. CT values correlate inversely with protein concentration, and sample target concentrations are calculated via standard curve.



## Full-stack self-developed ReedLytix™ conjugation system addresses the inability of traditional conjugation to achieve site-specific and fixed-ratio modification



## TRIPLE SPECIFICITY

- Specific Antibody:** Rigorously screened from our proprietary screening platform with years of technical accumulation
- Specific Conjugation:** Self-developed ReedLytix™ enables site-specific and ratio-specific labeling
- Specific Labels:** Self-designed high-specificity oligonucleotides for easy exponential signal amplification

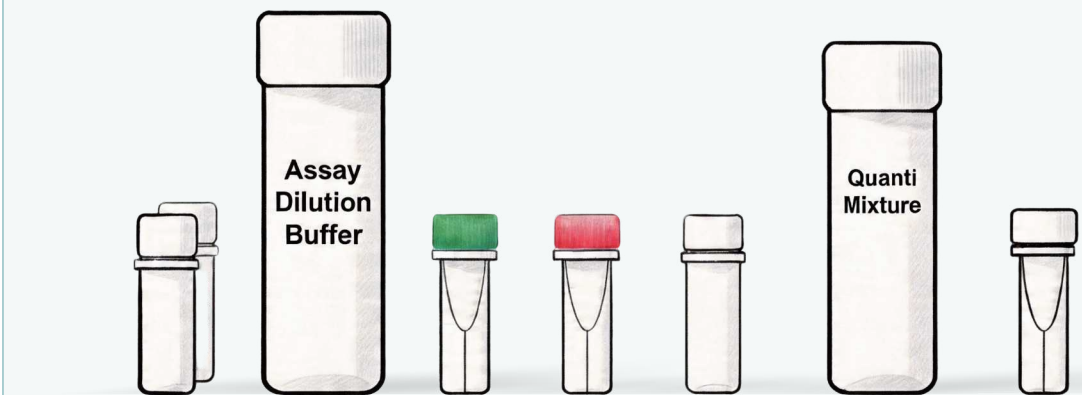
## KIT COMPONENTS

Each kit contains all reagents sufficient for 96 assay reactions

**Components of each kit as shown in the figure:**

2 vials of lyophilized protein standards, Assay Dilution Buffer, Antibody Conjugate A, Antibody Conjugate B, Antibody Conjugate Dilution Buffer, Quanti Mixture Master Mix, Synthesis Enzymes

\*Kit names are listed in corresponding order as shown below (left to right)



## ASSAY WORKFLOW

