

Multiplex Viral Panel Assays for Cell Therapy Products

LifeOS / DCB Joint CRO Service for CDMO Customers

Powered by Multiplex Digital PCR , FDA-grade Validated Panel Assay Advantages

- ✓ Highly sensitive detection
 - < 10cps/mL level LOD
- ✓ Lower total testing cost /sample
 - 1/10 of conventional testing costs
- ✓ Smaller sample input
 - One assay detects and quantifies all targets
- ✓ Quick turnaround results
 - Automated assay results within 6 hours

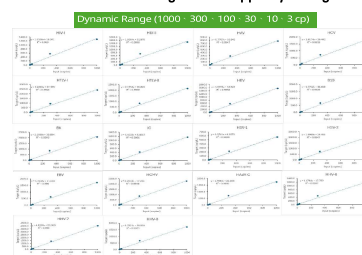
We offer FDA-grade validated assays and data traceability to ensure global regulatory compliance

1. Custom Assay Development & Analytical Validation
2. Cell / Gene Therapy CRO Testing Service
3. Companion Diagnostics (CDx) Co-development

Human Viral Testing Service for FDA Required Adventitious Virus Detection

Category	Virus Name	type	Category	Virus Name	type
Human blood-borne virus	HIV-1	RNA Virus	Herpes virus	EBV (HHV-4)	DNA Virus
	HIV-II			HCMV (HHV-5)	
	HAV			HHV-6	
	HCV			HHV-7	
	HTLV-1			HHV-8	
	HTLV-11			HSV-1	
Respiratory	HBV	DNA Virus	Oncogenic virus	HSV-2	
	Parvovirus B-19			BK Virus	
	HAAdV-C			JC Virus	

Accurate and reliable testing data to support your regulatory compliance



GLP Viral / Exosome Panel Assays Coming:

- Biodistribution in Rodents
 - Characterization for Exosomes
- (Assay Panels can be customized according to specifications)

QLoci™ Next-Generation Digital Genetic Analysis Platform

Unparalleled Performance Enables Highly Sensitive & Accurate Testing

QLoci™ md1000 Analyzer

- 100-plex multiplex assays at digital PCR level accuracy & costs
 - 0.01% allele variant sensitivity
 - Sample-to-results ≤ 6 hours
 - Automated process in disposable microfluidic cartridges for "walk-away" operation
- **Operation Modes:** Prima (100 targets/assay) / Lite (4 color)
 - **Compatible Chemistry:**
 - mdPCR: 100-plex multiplex digital quantitation
 - Conventional dPCR: TaqMan® or Sybr® Green
 - **Applications:**
 - Genetic Variations: mutations / deletions / fusions / insertions, etc.
 - Pathogen Detection: virus / bacteria Panel detection
 - Prenatal Screening: non-invasive NIPT testing
- * LDT clinical services at hospitals in Taiwan

QLoci™ Multiplex Digital Genetic Analysis System



Microfluidic Cartridge

QLoci™ Prima & Lite cartridges with 60K/110K microwells

System & Application Reagent Kits



Recognized for Innovation & Quality System



* CE marking & US FDA 510(K) Exempt Class II Listing

High-quality Testing with Quick Turnaround Time (TAT) to Support Your CDMO



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