

# ForteBio Octet RED96e System

## 8 通道高階分子交互作用即時分析系統

### 儀器教育訓練 Instrument education and training

Date 時間：2025/04/01 (Tue. 二)

10:30~12:00：D603 儀器介紹 Introduce

13:30~15:30：D921 上機示範 Operation

主辦單位：慈濟大學研發處貴重暨共同儀器中心

協辦單位：騰達行企業股份有限公司

講者：林宇慶 博士



### ForteBio Octet 系統

使用獨家專利生物膜干涉技術 (Bio-Layer Interferometry, BLI) 測定分子結合常數  $k_a$ 、 $k_d$ ，可使用粗萃樣品 (Crude sample) 進行高通量測定。

### 儀器可應用於以下研究領域

1. 新藥開發 Drug Discovery
2. 抗體篩選 Antibody Screening
3. 配體垂釣 Ligand Fishing
4. 結合特異性 Binding Specificity
5. 蛋白質定量 Protein Quantization
6. 分子鑑別 Molecular Recognition
7. 細胞信號傳導 Cell Signal Transduction
8. 蛋白質體學 Proteomics
9. 疫苗開發 Vaccine Development

The Octet® RED96e system detects a diverse range of biomolecules from small molecules to proteins to mammalian cells. The Octet platform offers an advanced fluidics-free approach with a wide variety of off-the-shelf Dip and Read biosensors for rapid binding kinetics and quantitation analysis. The system utilizes ForteBio's Bio-Layer Interferometry (BLI) technology, enabling direct detection of specific proteins and other biomolecules — even in complex mixtures like cell culture supernatants and lysates. The system performs quantitation of 96 samples in 32 minutes, and kinetic screening of 64 samples in 1.5 hours.

報名辦法：慈濟大學新校務系統活動報名