

## Universal Viral Immuno-PCR Kit

Ivy Fine Chemicals, **Catalog No. V58223**, 96 Reactions  
Laboratory Use Only



96-well Viral Capture PCR plate and 1x Washing Buffer (50 mL)

### Introduction:

Viral DNA or RNA is often purified prior to quantitation by real time PCR or digital PCR. The loss and degradation often occur in the purification process.

Here comes our innovative and universal viral capture kit where your selected biotinylated antibody binds to our capture PCR plate, followed by incubation with your viral samples and two washing steps to clean up all nucleases and interfering matrices. The viral DNA or viral RNA can be safely released from the captured viral particles by a heating and for subsequent quantitation by real time PCR or digital PCR.

### Procedures:

1. Dilute your selected biotinylated viral antibody to 1 ug/mL in provided washing buffer;
2. Add 20 uL of diluted antibody to each well of the universal viral capture plate and incubate at room temperature with gentle shaking for 30 minutes;
3. Wash once with 50 uL of washing buffer;
4. Add 20 uL diluted viral samples and viral standards to each designated well and incubate at room temperature with gentle shaking for 60 minutes;
5. Wash with 100 uL of washing buffer three times;
6. Add 20 uL of molecular grade water and heat at 95 °C for 10 minutes to release viral DNA or RNA;
7. Run corresponding real time PCR or digital PCR. Note: for viral RNA, one step reverse transcription.

*Note: viral antibody and real time PCR reagents (including primers and probe) are customer-specific and are not provided in our kit.*

### Ivy Fine Chemicals

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