**q-RT PCR Protocol for WNV Surveillance Week 27 - 7.6.17**

1. Thaw 4x (per 96 well plate) 27x WNV q-RT PCR Master Mix on Ice.
2. Prepare standards by adding 45 uL of dilution solution (5% BSA in nf-H2O) to the last seven tubes of an 8-tube PCR strip. Retrieve one 1.00E+08 WNV standard from -80, transfer entire contents to first tube of strip, then take 5 uL of each tube across the strip to make tenfold dilutions. Mix gently with pipette between each transfer step. Hold standard dilutions on ice.
3. Add 13.5ul of Reverse transcriptase to 27x master mix.
4. Place White well pcr plates on frozen plate rack.
5. Add 15ul of complete master mix per well (mix with pipette and add individually).
6. Add 5ul of RNA extract to wells (use multichannel pipettor).
7. Seal plate and run using WNV Probe template.