

Materials

Reagents:

- ▶ Super Script[™] II Reverse Transcriptase kit, code: 18064-014 - *Invitrogen Life Technologies* – **1 kit**
- ▶ *Inhibitor of RNase* (40U/μl) - *Invitrogen Life technologies* AM2682 – **1 pcs**
- ▶ *dNTP set*, dNTP mix: dATP, dCTP, dGTP, dTTP (10 mM (2,5 mM each dNTP) code: 11969064001 - *Roche Life Science* – **1 set**
- ▶ pd(N)₆ random primer code: 11034731001 - *Roche Life Science* - **1 pcs**
- ▶ JumpStart[™] Taq Ready Mix for Quantitative PCR (D7440), 100 RXN – *SIGMA ALDRICH* - **1 pcs**

▶ Primers and probe - WN Real Time Screening Real-Time PCR (Tang et al. 2006)

Primers WN10533 10552 (AAG TTG AGT AGA CGG TGC TG)

WN10625 - 10606 (AGA CGG TTC TGA GGG CTT AC)

Probe WN10560 - 10579 CTC AAC CCC AGG AGG ACT GG- BHQ1*

*Probe is labeled with 6-carboxyfluorescein (FAM) at its 5'-end and a non-fluorescent reagent, Blackhole, at its 3'-end.

▶ Primers and probe - WN 1 and WN 2 Eiden et al.2010 (method OIE)

FLI - WNF5 -F GGGCCTTCTGGTCGTGTTC

FLI - WNF6 -R GATCTTGGCYGTCCACCTC*

FLI - WNF -Probe FAM- CCACCCAGGAGGTCCTTCGCAA- TAMRA

*Y: C/T

▶ Primers and probe - USU (Cavrini et al. 2010)

USU - F 5'- AAAAATGTACGCGGATGACACA-3'

USU - R 5'- TTTGGCCTCGTTGTCAAGATC-3'

USU - P 5' 6famCGGCTGGGACACCCGGATAACC tamra3'

- ▶ QIAamp[®] Viral RNA Mini kit , 250 preps, catalog no: 52906 - *Qiagen* - **1 kit**
- ▶ SuperScript III Platinum One Step qRT-PCR System kit (11732-088) - *Invitrogen Life Technologies* – **1 kit**
- ▶ *Invitrogen SuperScript[™]III Platinum[®] One-Step Quantitative Kit* (12574026) - *Invitrogen Life Technologies* – **2 kits**
- ▶ TRIzol LS Reagent, 200 mL - *Life Technologies* – **1 pcs**
- ▶ RNA AWAY decontamination solution – **2 pcs**
- ▶ Molecular grade sterile distilled water (RNase and DNase free), 50 ml – **20 pcs**

- ▶ Chloroform (without any additives) - **1000 ml**
- ▶ Isopropyl alcohol - **1000 ml**
- ▶ Ethanol, molecular biology grade - **2L**
- ▶ 1x PBS (Phosphate Buffer Saline, concentrated 1x) – **1000 mL**
- ▶ Glycogen 20 mg - *Roche Life Science* - **1 pcs**

- ▶ Anti West Nile virus IgG antibodies (ELISA) a 96test (Euroimmun).....**3 kit;**
- ▶ 2) Anti Chikungunya virus IgG antibodies (ELISA) a 96 test (Euroimmun).... **3 kit;**
- ▶ 3) Anti Dengue virus IgG antibodies (ELISA) a 96 test (Euroimmun).... **3 kit;**

Euroimmun Analyzer I/I-2P, specific consumables:

- ▶ Conductive disposable tips) 300µl; cat.no. ZG 0201-0118 (10x96)....**3 pack.**
- ▶ Conductive disposable tips) 1100µl; cat.no.ZG 0202-0110 (10x96).... **3 pack.**
- ▶ Euroimmun buffer 10x (Adjustment solution), EU Analyzer I/I-2P, 50ml...**20 pack.**
- ▶ Dilution plate – Axygen, Deep well plates, P-DW-20-C; 2,0ML 96 well plate.... **2 pack X 5 plates.**

Supplies:

- ▶ Cooler racks for **1.5 ml** microcentrifuge tubes - **2 pcs**
- ▶ Cooler racks for **96-well 0.2 ml** PCR reaction tubes - **2 pcs**
- ▶ Laboratory marking pen, set1/10 - **1 set**
- ▶ Colored label tape – **2 pcs**
- ▶ Disposable powder-free gloves, set1/100 (sizes M and L) – **5 sets of each size**

Plastic consumables:

- ▶ **4.5 ml** sterile tubes - **1000 pcs**
- ▶ Sterile, nuclease free **1.5 ml** microtubes – **2000 pcs**

- ▶ Sterile, nuclease free **2 ml** microtubes - **1000 pcs**
- ▶ **0.2 ml** PCR reaction tubes with domed/flat cap - **1000 pcs**
- ▶ **10 µL** aerosol barrier tips, sterile, RNase, DNase free, (set1/96) - **20 sets**
- ▶ **20 µL** aerosol barrier tips, sterile, RNase, DNase free, (set1/96) - **10 set**
- ▶ **100 µL** aerosol barrier tips, sterile, RNase, DNase free, (set1/96) - **20 sets**
- ▶ **200 µL** aerosol barrier tips, sterile, RNase, DNase free, (set1/96) - **10 set**
- ▶ **1000 µL** aerosol barrier tips, sterile, RNase, DNase free, (set1/96) - **30 sets**
- ▶ Storage boxes for **1.5/2 ml** microtubes (up to 100 tubes, autoclavable and freezable to -80°C) – **5 pcs**
- ▶ Storage boxes for **0.2 ml tubes** or strips (autoclavable and freezable to -80°C) – **5 pcs**
- ▶ MicroAmp® EnduraPlate™ Optical 96-Well Fast Reaction Plates with Barcode, set 1/5 - *Applied Biosystems* – **2 sets**
- ▶ MicroAmp® Fast Optical 96-Well Reaction Plate, 0.1 mL, 4346907, set 1/10 - *Applied Biosystems* - **2 sets**
- ▶ MicroAmp® Fast 8-Tube Strip, 0.1 mL, 4358293, set 1/125 - *Applied Biosystems* – **2 sets**
- ▶ MicroAmp® Optical 8-Cap Strips4323032 – set 1/300 - *Applied Biosystems*- **1 set**