

**Supplementary Protocol for  
NP Swabs, Aspirates and BAL Samples**

**E.Z.N.A.<sup>®</sup> Viral RNA Kit**

R6874-00	5 preps
R6874-01	50 preps
R6874-02	100 preps

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**For Research Use Only**

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# E.Z.N.A.® Viral RNA Kit (R6874) – Supplementary Protocol

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## *Protocol for extracting viral RNA from nasopharyngeal swabs, nasopharyngeal aspirates, and bronchoalveolar lavage samples (BAL)*

### **Before Starting:**

- Please reference Materials and Equipment to be Supplied by User section in product manual
- Prepare buffers/reagents according to Preparing Reagents section in product manual
- Please refer to standard protocol in product manual for additional notes and tips

### **Modified Protocol for nasopharyngeal swabs (dry):**

1. Add 300  $\mu$ L 1x PBS (user supplied) and 10  $\mu$ L Proteinase K Solution (20 mg/mL) (user supplied; Omega Part No. AC115) to each swab sample.
2. Incubate at 56°C for 10-20 minutes with occasional mixing.
3. Centrifuge at 10,000  $\times g$  (or maximum speed) for 30 seconds.
4. Use 150  $\mu$ L from Step 3 as the input sample and follow the instructions outlined in the R6874 Product Manual (<https://www.omegabiotek.com/product/e-z-n-a-viral-rna-kit/#protocols>).

### **Modified Protocol for nasopharyngeal swabs, nasopharyngeal aspirates and bronchoalveolar lavage samples in Transport Medium (UTM)/ Viral Transport Medium (VTM)**

1. Vortex the tubes containing the swab at maximum speed for 1 minute.
2. Use 150  $\mu$ L as the input sample and follow the instructions outlined in the R6874 Product Manual (<https://www.omegabiotek.com/product/e-z-n-a-viral-rna-kit/#protocols>).