

S1 Fig. Methodology flow chart of samples


Sample Preparation
(Mayo Clinic)



Wrap Assemble




Sample Collection
(Aldrich preschool)




Wrap additional classroom objects (if needed)
Calibrate air sampler pumps
Run 150 minutes (during class)


Morning preschool classes (students ages 3-5) in rooms



Unwrap school objects
Collect wrapped objects

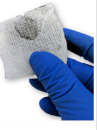


Measure air particle sizes




Sample Processing
(Mayo Clinic)

Dust paper with fingerprinting powder
Remove fingerprint (+) pieces
Place paper into media



Disassemble air samplers
Add media to tubes
Place filter into media



Vortex, incubate & centrifuge
Isolate viral RNA
RT-PCR
Identify Flu A+
Infectivity assay (electrical impedance)