

Cloth Mask Particulate Removal Efficiency: RAG mask

Source: Paul Hammant **Make:** NA **Pressure drop:** 4.572 mmH₂O (RAG mask) 4.44 mmH₂O (N95) **Flow rate:** 15 L/min

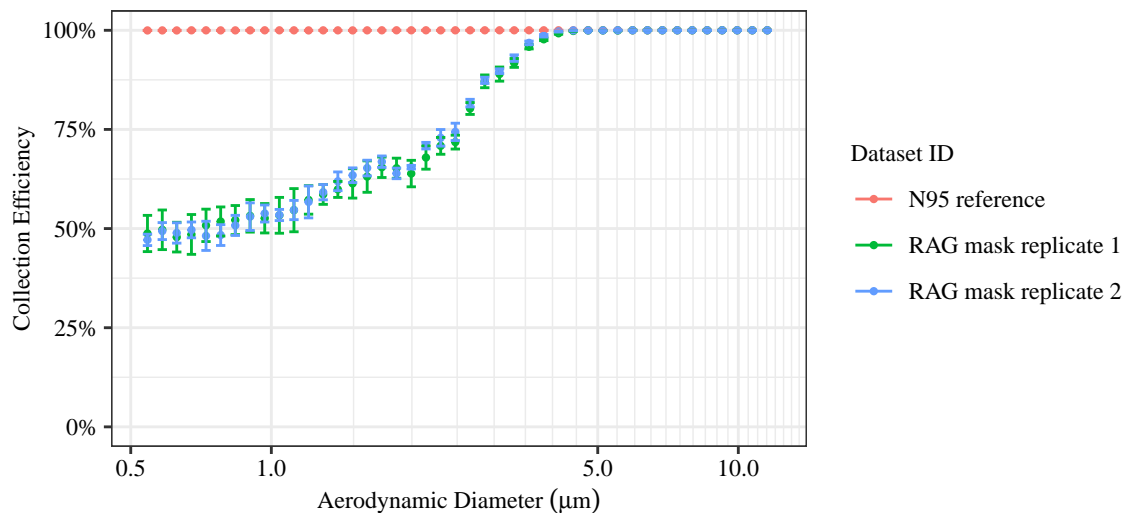


Figure 1: Particulate removal efficiency at 15 L/min for particle sizes between 0.5 and 12 microns

This mask was tested in a sealed chamber containing an aerosol at a fixed concentration. The collection efficiency (i.e. the percentage of particles the mask filters out) was calculated by comparing particle counts read by an aerodynamic particle sizing instrument (TSI model 332100) when the mask was attached to the instrument to particle counts read when the mask was not attached to the instrument. Air was pulled through the mask at 15 liters per minute. **Note: the results only depict the filtration performance of the mask material. The results do not take into account the mask “fit”.**



Figure 2: Photo of mask tested