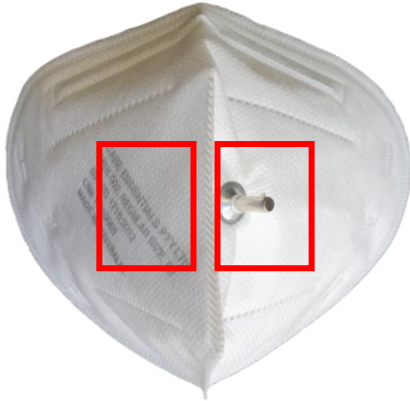


# MSK-002 N95 QUANTITATIVE FIT TESTING PROTOCOL

**NOTE:** Prior to fit testing, wearer must be clean shaven and eyewear should be removed.

## MSK-002 DONNING & PREPARATION



**Figure 1.** Placement of sample probe

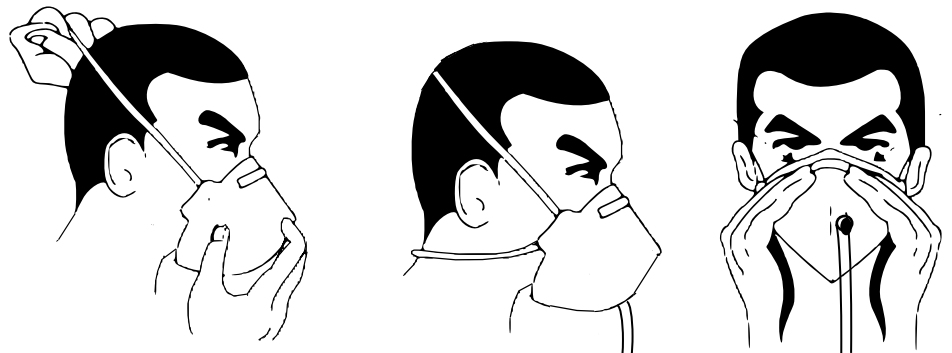


**Figure 2.** Finger placement area at bottom welds of mask



**Figure 3.** Excessive pinching of mask

1. Install the sample probe on slightly left or right centre of the respirator, the area between the subject's nose and mouth. The sampling point must be in the "breathing zone" of the respirator subject. Do not install the sample probe on the welded seal. Probe can be placed on the MSK-002 within the red area as indicated in Figure 1.
2. Connect the tubing onto the sample probe. Ensure that both sample probe and tube are properly attached to the respirator.
3. Firstly, flatten the nose wire on the respirator to allow the nose wire to better form to your nose during fitting.
4. Ensure that both straps are placed above the tubing. The testing tube that is connected to the mask will hinder normal donning procedure. While holding the respirator against your face using one hand, pull the upper headband over your head. Position and release the upper headband on the crown of your head. Next, place two fingers on the bottom two welds as shown in Figure 2. Pull the lower headband over your head and release at the back of your neck.
5. Make sure the nosepiece is placed at the bridge of the nose. Using both hands, mould nosepiece to shape the lower part of the nose to ensure a close fit and good seal
  - Do not position nosepiece at the tip of nose. This will lead to potential failure of the fit test.
  - If there are any folds around the mask, straighten using your fingers. If hair is stuck under mask, move them away.
  - Take care not to create an excessive "pinch" in the aluminium wire in the middle of the respirator as shown in in Figure 3.
6. The subject should leave the respirator on for 5 minutes prior to fit test to purge the particles trapped inside the respirator and permit the wearer to make certain that the respirator is comfortable.



## QUANTITATIVE FIT TESTING



1. Carry out a real-time test to ensure there are no leakages. If air leaks around nose, readjust and tighten the nose piece. If air leaks around mask edges, reposition headband for better fit. If finding difficulty in achieving a better fit, try a new respirator and repeat the above guidelines. The mask loses its ability to achieve high fit after the nosepiece is bent and relaxed too many times.
2. Proceed with fit test exercises. Do not allow the subject to adjust the mask during the exercises, as this invalidates previous results.
3. Discard respirator after fit testing is complete. Probed respirators are intended for fit testing only and are never to be reused.