

COVID-19 2SF QUICK REFERENCE SHEET

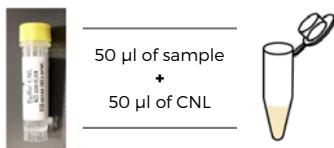
This quick reference sheet is intended only for trained users who are experienced with the procedure. For complete instructions, please refer to the User Guide or on-screen instructions.

01 ADD SAMPLES

On Solas 8 device – select “NP Swab 2SF” as sample type, “COVID-19 2SF” as test, and enter a sample ID (barcode scanner connected through USB can be used).

02 PREPARE SAMPLES

From the “Isolate DNA/RNA” menu on the Solas 8 device, select “NP Swab-2SF”, select up to 6 samples, add 50 μ L nasopharyngeal swab sample to 50 μ L CNL buffer in a labeled lid-locking tube. This step should be performed in a biosafety cabinet or behind a protective barrier.



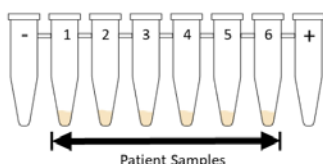
03 LYSE SAMPLES FOR RNA TEMPLATE

Place labeled lid-locking tubes in the large (bottom) block of the Solas 8 device and heat for 2 minutes at 95 °C, then remove from heat. Use in step 6.



04 CREATE SAMPLE LAYOUT

Select up to 6 samples from the “C-SAND Test” menu on the Solas 8 device, in the desired order for tubes 2-7 of the 8-well strip. Tube 1 will automatically be assigned as the Negative Control (NC) and the final tube as the Positive Control (PC).



05 HYDRATE AND DISPENSE S1 MASTER MIX

Add 315 μ L of sterile water (provided by user) to tube with orange cap, mix, and add 35 μ L to each tube in the 8-well strip. This step should be performed in a PCR hood or in a clean area, free from contamination.



06 ADD SAMPLES TO TUBES

Dispense 5 μ L of NC to tube 1, and 5 μ L of each sample RNA (from step 3) to the corresponding tube 2-7 (assigned in step 4). Add PC pellet to the final tube in the 8-well strip.



07 START STEP 1

Place 8-well strip in the small (top) block of the Solas 8 device, confirm sample layout by selecting each sample on the touchscreen, and press Start. This step will run for approximately 75 minutes.



08 HYDRATE AND DISPENSE S2 MASTER MIX

Add 90 μ L of sterile water to the tube with the blue cap and mix. Protect S2 Master Mix from light until it is ready to be used. Add 10 μ L to each tube in the 8-well strip, starting with the NC in tube 1 and ending with the PC in the final tube, at the end of STEP 1.



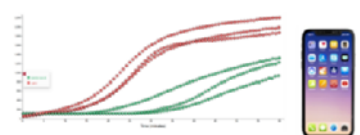
09 START STEP 2

Place 8-well strip in the small (top) block of the Solas 8 device, confirm sample layout by selecting each sample on the touchscreen, and press Start. This step will run for 60 minutes. Results will be called automatically during the run.



10 VIEW RESULTS

Final results can be viewed by selecting “Genotypes” on the Solas 8 device, exporting the report from the Solas 8 device, or viewing fluorescent data from a connected browser-enabled smart phone, tablet, or computer.



All steps should be performed using filter/ barrier pipet tips

