



soleris

Calibration

Product Number: S2-CV & S2-CV100



Pictured: Acceptable S2-CV vial (left) and unacceptable vial (right).

Introduction

The calibration vial (S2-CV or S2-CV100) is designed to test the Soleris® Next Generation instrument and verify that the lights in the instrument are reading at the optimal level and set the gain value for the UV-LED light source. The vials are light sensitive and should be returned to the box once the calibration is complete. These vials should have a clear, water-like appearance. If there is any yellow tint present, that indicates that the vials have been compromised and should not be used.

Materials Required

1. S2-CV or S2-CV100, Calibration vial.

Vial Specifications

1. Vial pH is 7.6 ± 0.2 .
2. Vial color — Clear, water-like appearance. Absent of any yellow tint.

Optical Calibration Procedure

1. Verify that you have 32 calibration vials within the color specification.
2. Ensure there are no active tests in the instrument that is to be calibrated.
3. Insert 32 calibration vials into the instrument.
 - a. The UV-LED test is only run at 35.0°C, please make sure the instrument is set at this temperature.
4. Allow the vials to equilibrate to the instrument temperature for 30 minutes.
5. In the Fusion™ software, select the instrument to be calibrated.
6. Click select more actions.
7. Choose select calibrate UV.
8. Calibration will start after a check of the vials.
 - a. If the calibration does not start and you receive an error message instead — capture the error message information and call Technical Services.
9. The calibration will continue for 5–10 minutes. While it is calibrating, do not open the drawer, close the software, or turn off any instruments.
10. Once calibration is complete, the report will automatically be saved within the software.



11. Remove the calibration vials from the instrument and place them in the next instrument to be calibrated or return to the box.
 - a. It is important not to leave the vials in the instrument as they will degrade over time due to exposure from the UV light.
12. The following values are the minimum required to pass calibration.
UV 900 ± 10.
13. Repeat the process at least every three months.
14. If the calibration report is out of specification, please contact NEOGEN® technical services.

Example of Calibration Report

208					
Yellow Calibration Temperature		35.0	Yellow Calibration Time		9/10/2020 2:40:25 PM
UV Calibration Temperature		35.0	UV Calibration Time		9/11/2020 12:43:33 PM
		1	2	3	4
A	Y	900 ✓	900 ✓	899 ✓	899 ✓
	UV	903 ✓	902 ✓	902 ✓	901 ✓
B	Y	900 ✓	900 ✓	899 ✓	900 ✓
	UV	902 ✓	902 ✓	902 ✓	901 ✓
C	Y	899 ✓	900 ✓	899 ✓	900 ✓
	UV	902 ✓	902 ✓	901 ✓	901 ✓
D	Y	899 ✓	899 ✓	900 ✓	899 ✓
	UV	902 ✓	902 ✓	902 ✓	901 ✓
E	Y	899 ✓	899 ✓	899 ✓	900 ✓
	UV	902 ✓	902 ✓	901 ✓	901 ✓
F	Y	900 ✓	899 ✓	899 ✓	899 ✓
	UV	902 ✓	901 ✓	902 ✓	901 ✓
G	Y	900 ✓	899 ✓	900 ✓	899 ✓
	UV	902 ✓	902 ✓	901 ✓	901 ✓
H	Y	899 ✓	899 ✓	899 ✓	900 ✓
	UV	902 ✓	902 ✓	901 ✓	901 ✓

