

Alto Technical Specifications

All Cerillo products are for research use only and are not intended for use in diagnostic procedures.



General

Measurement Mode	▶ Absorbance
Detection Mode	▶ Kinetic, Endpoint
Plate Types	▶ 6, 12, and 96-well plates, Cerillo Duet Co-Culture plate
Dimensions	▶ W: 15.0 cm D: 13.3 cm H: 7.2 cm
Weight	▶ 800 g
Power Input	▶ 5 V, 500 mA via USB-C receptacle

Measurement

Environmental Tolerance	▶ Temp: 0-50° C, Humidity: 0-99%, ▶ O ₂ Concentration: 0-21%, CO ₂ Concentration: 0-25%
Wavelength	▶ Single Wavelength: 600 nm
Light Source	▶ Monochromatic LEDs
Resolution	▶ 0.001 OD
Detection Range	▶ 0.000 - 4.000 OD
Linearity	▶ < ±1% (0.000 - 2.500 OD)
Accuracy	▶ Endpoint: < ±1% and ±0.02 OD (0.000 - 2.500 OD) ▶ Kinetic: < ±0.25% and ±0.005 OD (0.000 - 2.500 OD)
Repeatability	▶ < ±0.25% and ±0.005 OD (0.000 - 2.500 OD)
Data Storage	▶ "microSD; up to 32 GB (16 GB card provided)

Software

Operating System	▶ macOS: 12 (Monterey); Windows: 10, 11
Data Export Format	▶ .csv (on-board), .xlsx (some Labrador exports)