Product Name :	**Product Code :**
Micro Plate Reader	CLNCL-CDD0003

Description :

Micro Plate Reader

Technical Specification :

Wavelength range (nm): 400-800;
Light source lamp: 12V/20W quartz halogen lamp (life ? 3000h), and has a sleep function;
Detection range (A): 0.000 ~ 4.000; detection track: 8 channels;
Filter configuration (nm): 4 pieces of standard configuration: 405, 450, 492, 630, up to 10 filters can be selected in the range of 400-800;
Reading speed: 5 seconds / 96 holes (single wavelength); 10 seconds / 96 holes (dual wavelength);
Wavelength characteristics: The accuracy of the center wavelength of the filter configured by the analyzer should not exceed ±2nm; the half width of the wavelength (nm): 7±2;
Absorbance accuracy (A): ±0.005 (when the absorbance ranges from 0.000 to ?0.500);
Linearity error: linear correlation coefficient (r) ? 0.995 (in the range of 0 to 3.000 absorbance value);
Absorbance repeatability of the instrument: CV ? 0.5%;
Stability of absorbance of the instrument (A): ? ± 0.005;
Absorbance resolution (A): 0.001;
Difference between channels: ?0.02 (with air as a reference, the difference in absorbance between channels of the measuring instrument);
Display: 5.6 inch color touch screen;
Operation interface: with power-on self-test function;
Operation mode: The instrument adopts touch screen operation mode, and can input at the same time;
Vibration plate function: The instrument has a vibration plate function;
Detection method: The instrument has two detection modes: single wavelength and dual wavelength, single hole and double hole;

Detection function: It has the functions of absorbance detection, qualitative detection and quantitative detection; it can visualize the functions of 12 inspection items of layout board and single board;

Detection output: qualitative: sample absorbance, S/CO value, critical value and negative positive judgment result; quantitative: sample absorbance, sample concentration value, normal reference value and detection judgment result; output is 96-well whole plate test result;

Calculation methods: straight line method, point-to-point method, linear regression method, semi-logarithmic regression method, exponential regression method, full logarithmic regression method, ratio regression method, ratio semi-log regression method, quadratic curve, Logit-Log curve;

Quality control function: With quality control function, it can output quality control data and L-J quality control chart Westgrad multi-rule judgment;

Storage function: program storage: 200 project programs and calibration parameters; inspection result storage: can store 100 board test results;

Communication function: the instrument has RS-232 communication interface and USB interface;

Light source signal monitoring function: It can monitor 8 channel light source signals in real time;