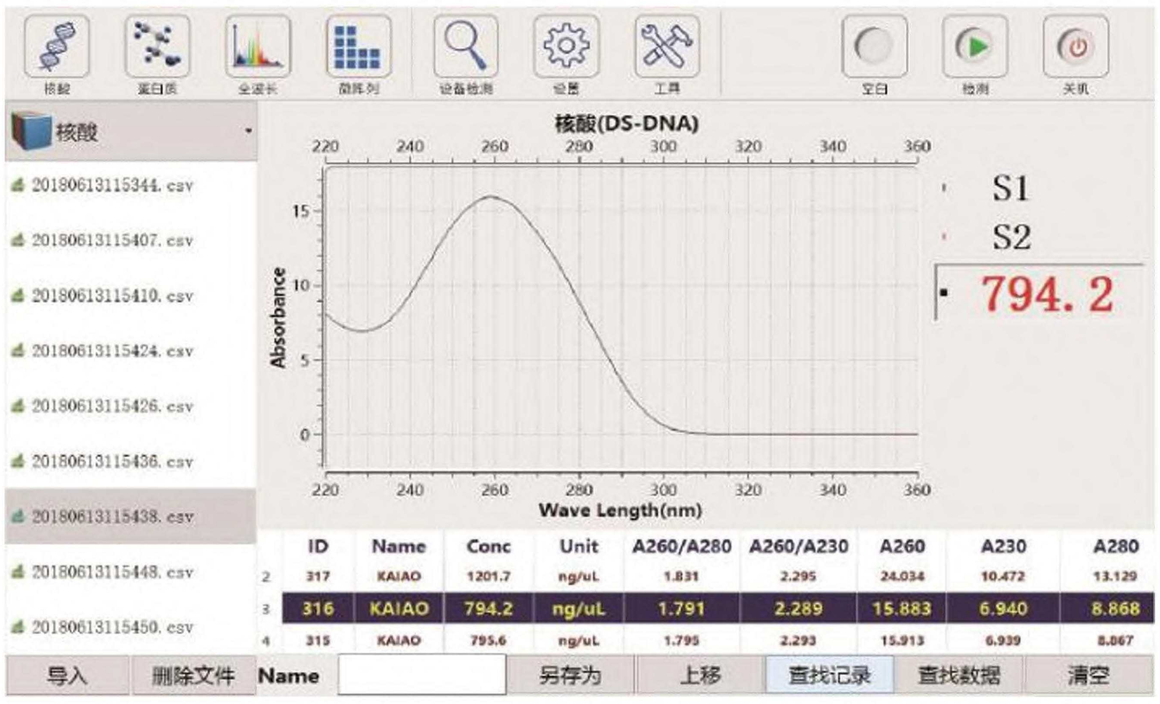
DRAWELL
Artist of Science

Micro Spectrophotometer
Model: K5600/K5600C

The ultra-micro spectrophotometer is a new type of full-wavelength spectrophotometer, which can detect nucleic acid, protein, colloidal, microarray samples, and conventional full-wavelength scanning, etc.

Features:

- 1. Platform material: stainless steel and quartz fiber.
- 2. No need to warm up, start testing at any time.
- 3. Built-in fiber to avoid fiber breakage caused by external force collision, resulting in chaotic measurement results
- 4. Instrument control and operation: built-in win10 system, built-in 7-inch high-definition display, full touch operation.
- 5. Data output method: Built-in ≥32GB storage space.Users can directly store measurement result data and custom methods,which can be automatically saved in spreadsheet mode. USB output or network transfer data, with electronic manual.
- 6. Data output port: 2 USB ports, which can be connected to various devices such as mouse, keyboards, desktop computers, etc.
- 7. Built-in Bluetooth, WIFI, available to remote operation and print results data wirelessly.



Specifications

Optical path	1/0.5/0.05mm automatic conversion
Optical range	190-1100nm
Sample volume	0.3-2.0μl
Light source	Long life xenon lamp
Detector	3864 linear CCD array
Wavelength scanning range	190-850nm
Wavelength accuracy	±1nm
Wavelength resolution	2nm (FWHM Hg 546nm)
Absorbance accuracy	0.002Abs
Absorbance accuracy	1% (0.76 absorbance at 350nm)
Absorbance range	0.002-300Abs (equivalent to 10mm optical path)
Nucleic acid range	K5600: 2-15000 ng/μl (ds-DNA), K5600C: 0.4-15000 ng/μl (ds-DNA)

Protein range	0.01-400MG/ML (BSA)
Detection time	Less than 3s
Machine size	20x30x20cm
Weight	3.5kg
K5600C Cuvette Parameters	
Cuvette wavelength range	200nm-850nm
Trial cuvette specifications (light path)	1/2/5/10mm
Cuvette minimum volume	50μl
Sample level height	8.5mm
Type	Recyclable micro cuvette
Cuvette darkroom	Standard cuvette darkroom, suitable for multi-size cuvettes