



UV-VIS SPECTROPHOTOMETERS



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Iris Spectrofluorometer IFM-100 series emission is observed at a variable wavelength of 365, 525, and 625 nm. The utmost number of molecules is excited simultaneously. The light is entering through a filter, choosing a fixed wavelength, or a monochromator, that allows a wavelength to be selected for light stimulation. Measure the fluorescence intensity of the fluorescent reagent and it has many application including sample scarce and difficult in processing, low quantity of DNA, RNA, or protein after extraction, and sample will be used in the expensive experiments: qPCR, PCR cloning, transfection, NGS (next-generation sequencing). Detects fluorescent dyes that are precise to the object. These fluorescent dyes emit only when bound to the target molecules, at low concentrations.

- Unique features and accessories including quad-fluorescent channels
- UV channel: excitation 365 ± 20 nm; emission: 420-480 nm (60 nm)
- Red channel: 625 ± 10 nm; emission: 670-725 nm (55 nm)
- Green channel: 525 ± 20 nm; emission: 575-640 nm (65 nm)
- Blue channel: 460 ± 20 nm; emission: 525-570 nm (45 nm)
- Large 4.3 inch touch screen display
- Aimed to offer extremely complex fluorescent detection when measuring nucleic acids
- Recommended for Next-Generation Sequencing, qPCR, PCR cloning, transfection
- DNA detection limit is 0.5 pg/ul
- Save 1000 data and output data by USB port, Detector: Photodiode
- Versatile, Fast and reliable
- Linear Dynamic Range: 5 orders of magnitude
- View concentration results, raw values, sample volumes, and quality check easily
- Portable and easy handling
- Adapter: 0.5 ml qPCR tube adapter
- Adapter: 0.2 ml qPCR tube adapter with printer and printer paper (option)

