# WPA Biowave II+ UV/Visible Life Science Spectrophotometer

**Product Code:** WPA80-3004-80

**Brand:** WPA


Part of Biochrom, the WPA Biowave II+ UV/Visible Life Science Spectrophotometer is a life science oriented product with stored routines for nucleic acid quantification/proteins/cell density.

The Biowave diode array spectrophotometer offers all the benefits described for the Lightwave II with the addition of key life science applications.

These are pre-defined methodologies for nucleic acid quantification (DNA, RNA, and oligionucleotides), protein assays (BCA, Bluret, Bradford and Lowry) and for cell culture density measurements. The visualisation of the nucleic acid scan is particularly useful, especially for RNA samples where impurities may be present in the 230nm region, yet not have an adverse effect on the A260/A280 ratio. The system is compatible with disposable low volume UV cuvettes.

The combination of life science methods with the rapid scanning, kinetics and concentration capabilities of the Biowave II make it a very useful addition to any molecular biology laboratory. In kinetics mode, the basic plot of absorbance against time may be supplemented with the result for Delta A/min. plus the correlation coefficient is also calculated for the duration of the assay. This slope may be multiplied automatically by a factor to convey it directly to the rate of reaction.

Once again, all results may be printed to an optional integrated high quality printer for permanent record or the instrument may be linked to a PC via a USB cable connection, optional wireless Bluetooth or SD card accessories for data storage or printing.

## Features:

- Novel optics for high energy combined with an xenon source for long lamp lifetime.
- Unique, integral cuvette tray for storage and sample support.
- Wavelength scanning, kinetics and concentration functionality with full graphics display.
- Integrated printer (optional).
- Wireless Bluetooth connectivity (optional).
- Integrated SD card accessory for data storage and export (optional).
- Simple selection software.

## Specifications:

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| **Stored Methods** | 90 |
| **Wavelength Accuracy** | ± 2nm |
| **Photometric Reproducibility** | ± 0.002A at 0 - 0.5A, 546nm |
| **Photometric Accuracy** | ± 0.008Abs or 1.3% of the reading, whichever is greater between 0 and 2.5A |
| **Outputs** | USB, Bluetooth option, SD card option |
| **Dimensions (w x d x h)** | 260 x 390 x 100mm |
| **Weight** | < 4.5kg |

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