

RIDA® ABSORBANCE 96

The most compact absorbance reader



Innovative LED technology for readout of RIDASCREEN® ELISA tests



Unique – space-saving design allows for improved handling



Fast – 96 detection units for parallel measurement of all cavities within 5 seconds



Reliable – accurate results through high measuring precision

More information:




<https://r-b.io/absorbance>


RIDA®ABSORBANCE 96

Art. No. ZRA96FF


Features




The image shows the RIDA®ABSORBANCE 96 microplate reader, a compact device with a 96-well microplate inserted. The device has a control panel on the left with four LEDs labeled 405 nm (blue), 450 nm (green), 540 nm (red), and 630 nm (yellow). The front panel features the r-biopharm logo and the model name RIDA®ABSORBANCE 96. The microplate is labeled with columns 1-2 and rows A-H.




Versatility
4 LEDs with different wavelengths




Accuracy
High precision through innovative technology



Robustness
No moving mechanics during scanning process



Speed
Less than 5 seconds measurement time through 96 channels



Size
With a footprint about one microtiter plate

RIDA®ABSORBANCE 96 (Art. No. ZRA96FF)

General		Package content
Dimensions	5.5 x 9.6 x 15.4 cm	1 x RIDA®ABSORBANCE 96
Weight	0.9 kg	1 x RIDASOFT®WIN.NET
Optical		1 x User manual
Light source	LED	1 x Quick starter guide
Wave lengths	540, 450, 405, 630 nm	1 x USB 2.0 cord
Measurement range	0 - 3.5 OD	1 x Allen key
Resolution	0.001 OD	1 x Cleaning tissue
Data output	USB 2.0 interface with PC	
Accuracy	405 nm: $\leq 1.5 \% + 0.010 \text{ OD}$ from 0.000 - 2.000 OD $\leq 3.0 \% + 0.010 \text{ OD}$ from 2.000 - 3.000 OD ≥ 450 nm: $\leq 1.0 \% + 0.010 \text{ OD}$ from 0.000 - 2.000 OD $\leq 1.5 \% + 0.010 \text{ OD}$ from 2.000 - 3.000 OD	
Reproducibility	$\leq 0.5 \% + 0.005$ from 0.000 - 2.000 OD $\leq 1.0 \% + 0.010$ from 2.000 - 3.000 OD	
Reading speed	< 5 sec.	