

3D BIOPRINTING UNIT

ABSORBANCE 96 PLATE READER(BYONROY)



TECHNICAL SPECIFICATIONS:

- 96-well microplate plate reader
- Detection method: Absorbance
- Detection mode: Endpoint, kinetic
- Light source: 4 LEDs with 96 photodiodes
- Wavelength selection: 405, 450, 492, 620 nm.
- Photometric range: 0.0 – 4.0 OD
- Linearity:
 - 405 nm: $\leq 1.5\%$ from 0.0–2.0 OD; $\leq 3.0\%$ from 2.0–3.0 OD
 - ≥ 450 nm: $\leq 1.0\%$ from 0.0–2.0 OD; $\leq 1.5\%$ from 2.0–3.0 OD
- Accuracy:
 - 405 nm: $\leq 1.5\% + 0.010$ OD from 0.0–2.0 OD; $\leq 3.0\% + 0.010$ OD from 2.0–3.0 OD
 - ≥ 450 nm: $\leq 1.0\% + 0.010$ OD from 0.0–2.0 OD; $\leq 1.5\% + 0.010$ OD from 2.0–3.0 OD
- Reproducibility:
 - $\leq 0.5\% + 0.005$ OD from 0.0–2.0 OD; $\leq 1\% + 0.010$ OD from 2.0–3.0 OD
- Resolution: 0.001 OD
- Read time: Down to 3 sec. at single wavelength.

For more specifications => [Absorbance 96 official page](#)