

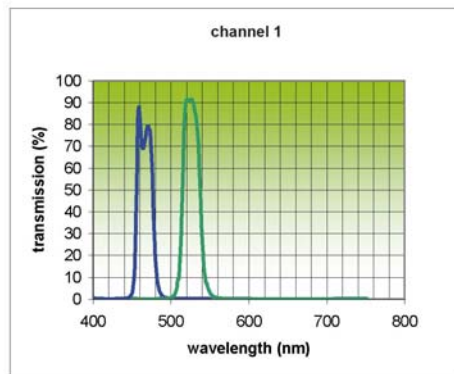
SpeedScan

- Fluorescence reader for easy measurement of PCR products
- Cost-effective alternative to expensive real-time systems
- Ideal for diagnostic applications (Yes/No statements)
- Significantly reduced risk of contamination
- Suitable for standard tubes/plates as well as for SpeedCycler microplate LP

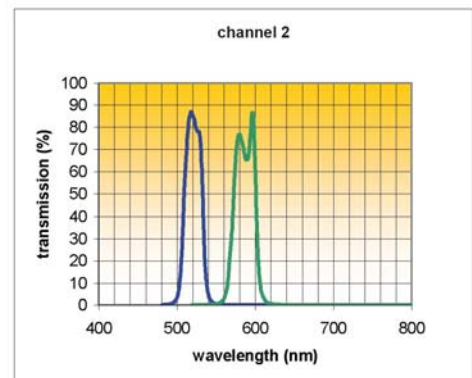
Optical system

| | |
|---------------------------------|---|
| Principle of measurement | Top-reading fluorescence detector head with filter tray for excitation and emission filters |
| Light source | High-power RGB-LED |
| Detector | Low-noise photodiode |
| Number of channels | 4 |

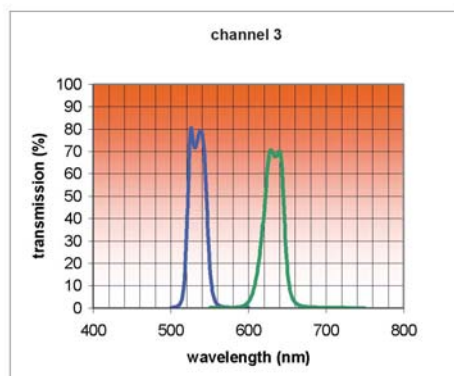
Channel 1:
EXC 470 nm; EM 526 nm
(FAM, SybrGreen etc.)



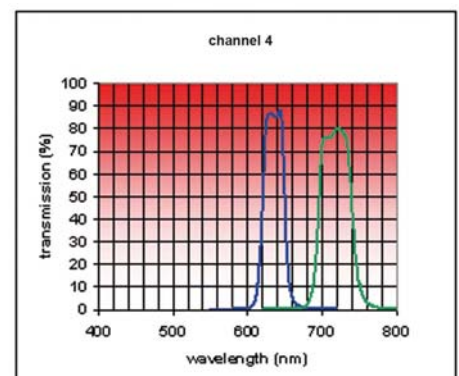
Channel 2:
EXC 520 nm; EM 587 nm
(HEX; JOE; VIC; TET; TMR; NED; Cy3; YakimaYellow etc.)



Channel 3:
EXC 534 nm; EM 633 nm
(ROX; TexasRed; Cy3.5; EtBr etc.)



Channel 4:
EXC 636 nm; EM 720 nm
(Cy5 etc.)



SpeedScan

Analytical parameter

Sensitivity ▪ 1 nM FAM in minimal 10 µl
(correlates 10 fmol FAM)

Readout time ▪ 50 sec for 96 wells, per channel

Microplate formats

- 36 well SpeedCycler microplate LP
- 96 well SpeedCycler microplate LP
- 96 well standard PCR plates
- 96 well standard microplates
- 384 well PCR plates
- 384 well microplates
- 200 µl stripes and tubes

Accessory

Inclusive

- Power supply
- Universal tray for standard microplates and PCR plates
- Aspect FA, control and evaluation software

Optional

- Adapter plate for 2 x 36 well SpeedCycler microplate LP
- Adapter plate for 96 well SpeedCycler microplate LP
- Adapter plate for 200 µl stripes and tubes
- Fluorescence testplate for instrument validation
- Additional software tool AspectFA SNP for SNP-diagnostics

Other technical data

Weight Approx. 4 kg

Dimensions (W x H x D) 220 mm x 220 mm x 280 mm

Power Supply External power supply
100 - 240 V/ 50 - 69 Hz

PC interface RS 232, USB via cable adapter

Guarantee 2 years warranty



Subject to changes in design and scope of delivery as well as further technical development!