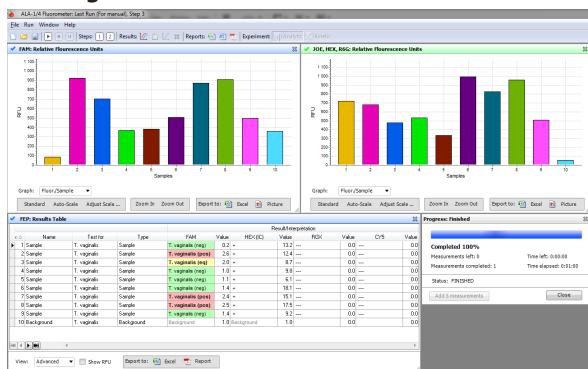




Software video is available on the website

## Viewing Results



### Software specifications:

- Register, interpret and store the results obtained on PC
- Simultaneously detect a variety of infections pathogens
- Save/Load the previously obtained results
- Edit existing or create new test-systems
- Option for results interpretation in gel electrophoresis image simulation

### Channels' specifications:

FAM: (excitation / emission λ)	460 nm / 515 nm
HEX: (excitation / emission λ)	532 nm / 570 nm
ROX: (excitation / emission λ)	570 nm / 610 nm
CY-5: (excitation / emission λ)	630 nm / 670 nm

**ALA-1/4** is the first multi channel rotor type fluorescence detector that allows detection of the fluorophores lights emission in the reaction mixes with a closed-tube method immediately after PCR.

**ALA-1/4** is a four-channel high speed detector of fluorescence/quenching ration of DNA probe combined with a fluorescence/quenching molecules. Level of fluorescence depends on the quantity of the positive amplification after thermocycling of DNA probes. The instruments substitutes for electrophoresis and gel-documentation step of amplicon detection. The closed-tube method ensures biosafety conditions in the DNA diagnostic Labs.

Biosan FEP (Fluorescence detection with End Point analysis) is the revolutionary approach that allows to:

- Carry out the experiment with closed test tubes, thus eliminating the probability of contamination;
- Perform the amplification and detection processes in the same room with reduced personnel costs;
- 4-channels detection: FAM, HEX, ROX, CY-5;
- Register, interpret and store the results obtained on PC;
- Simultaneously detect a variety of infections pathogens;
- Eliminate the need for electrophoresis and gel run storing instruments.

### General specifications:

Excitation source	Light diode (Luxeon) through interference filter
Interference filter transmission spectrum half-width	7 nm
Detector	Photomultiplier
Full rotor's measurement time	30 sec/channel
<b>Rotors capacity:</b>	
R-36/0.5	36 microtubes (0.5 ml)
R-48/0.2	48 microtubes (0.2 ml)
Software	Open Type
Communication Interface	USB
PC system requirements:	1000 MHz PIII Intel, 124 MB RAM Windows 2000/XP/Vista/7/8 USB port
Overall dimensions (W×D×H)	400×250×190 mm
Weight	8.5 kg
Nominal operating voltage	230 V, 50/60 Hz
Power consumption	30 W

### Catalogue number:

<b>ALA-1/4</b> with standard rotors	BS-050106-AAA
<b>R-36/0.5, R-48/0.2</b>	