

## Simple Software Brings Effective Results

### MiBio Fluo



# Bio-1000F

The best gel imager for non-toxic DNA stains !!

#### Specifications

- Gel Area : 7"(W) x 5"(H)
- Resolution : 600dpi
- Scanning mode : 8-bit / 16-bit grayscale
- Light Source : Blue LED ( 460-490 nm )
- Sensitivity : 0.04 ng / band
- Interface : USB2.0
- Dimensions : 12"(W) x 12"(D) x 5"(H)
- Power Supply : AC 100~240V · 50~60Hz
- Operating Temperature : 5~40°C
- Related Humidity : 20%~85%

#### System Requirements

- Pentium IV PC with Hi-Speed USB (USB 2.0) port
- CD / DVD-ROM Drive
- 300 MB HDD or above
- 512 MB RAM or above
- Microsoft Windows XP, 7, 8 and 10

#### Accessories

- MiBio Fluo
- Filter Plate



- Fluorescence sensitivity up to **0.04** ng per band
- Meets demands for trans-illuminating, imaging and gel extraction
- Convenient open-space for gel extraction
- Compact design to fit in crowded laboratory space
- Exclusive EtBr-alternative stains for safety, ecology and environment

For more details on product, please contact your local Microtek sales or dealers.



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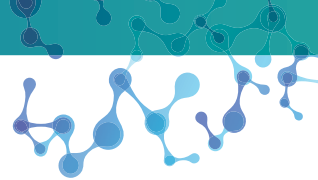
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## Patented Design with Advanced Image-Capture Skills

With a patented optical design, sensitive CCD and flexible software, Bio-1000F is capable to capture faint fluorescence, which demonstrates more sensitive and better performance than UV and other blue-LED based gel imaging systems.



Bio-1000F Gel image

VS



EtBr Gel image



Bio-1000F Gel image

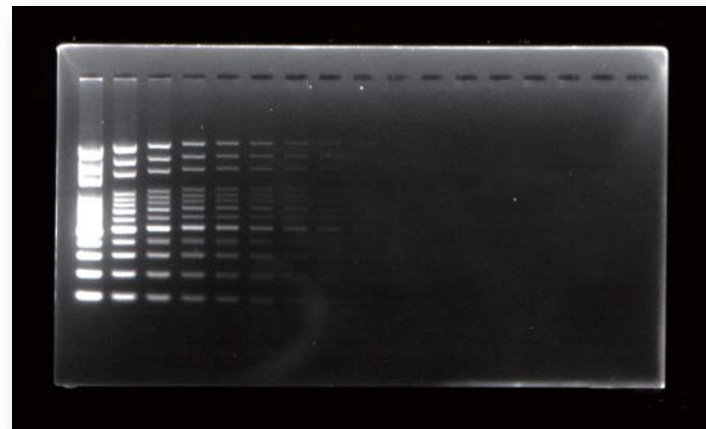
VS



Gel imager with blue Led

## Applicable to All EtBr-alternative Stains and Enhances Fluorescence Effects

Bio-1000F goes perfectly with global EtBr-alternative stain brands. The highest sensitivity of Bio-1000F can reach to 0.04 ng per band.



▲ 2X series dilution of standard molecular DNA marker using 1.5% agarose gel in TAE buffer.



## Coherent Working Process Accomplishes High Efficiency

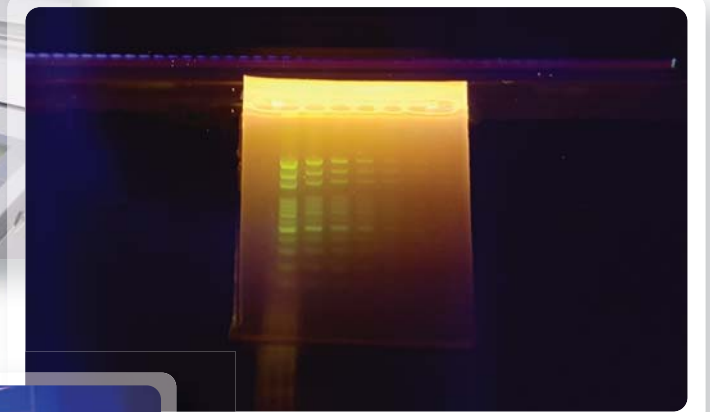
Bio-1000F provides trans-illumination, imaging and gel extraction at one independent platform. Researchers and laboratory staffs can carry out gel-electrophoresis preview, image recording, or gel extraction without transition between trans-illuminator and gel-document system.

## Clear Banding Patterns and Convenient Gel-Extraction

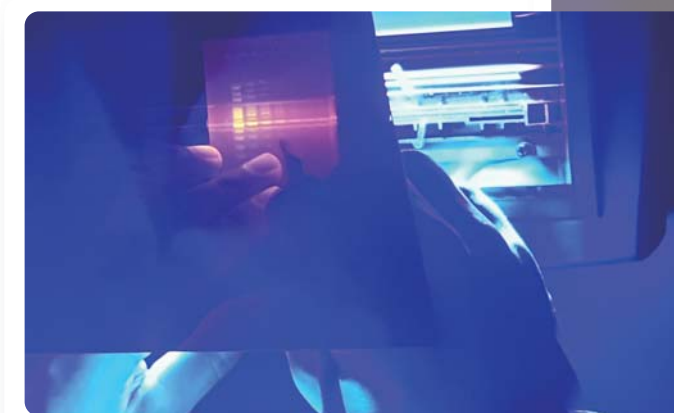
The integrated filter plate and LED bar provides more convenience and stronger fluorescent signal.



▲ Bio-1000F with filter plate



▲ Gel image under Blue-LED trans-illuminator



▲ Gel-excision step (Top view)



▲ Economically spatial use of working-bench

## Comprehensive Protection Ensures Safety

Equipped with blue-LED and filter plate, Bio-1000F provides multi-level protections from direct damages to eyes and skins. Concerning on the highly potential mutagenic combination of UV and EtBr, Bio-1000F especially pairing with EtBr-alternative stains is safer and friendlier to both researchers and environment.

