



# BioRun

GE-Type

## BioMuRun

Now is the time to analyze DNA & RNA quickly and inexpensively with  $\mu$ GE-based mobile PalmPAGE system\*

- **A complete handheld Polyacrylamide-Gel-Electrophoresis System** with ultra-compact size and ultra-light weight
- **No gel preparation and no external power supply** (use Ready-to-use precast gel cassettes and integrated internal power supply)
- **Electrophoretic run time down to 5 min** (use 1-inch-sized and buffer-free gel electrophoresis)
- **No post-run gel staining** (use simple fluorescence loading dye for detection using integrated LED-induced light source)
- **Real-time gel documentation** (use integrated micro computer and digital camera with smart operation panel and application-dedicated software)
- **Ultra-resolution for Single nucleotide polymorphism detection<sup>#</sup>** (use temperature gradient 10°C to 70°C for TGGE analysis)

ISO 9001-2015 & ISO 13485: 2016

CE Certified

Japan Patent App. 2020-93786

India Design No. 392015-001

# BioRun

TGGE-Type



## Technical Specifications:

	BioMuRun-GE Type	BioMuRun-TGGE Type
Dimensions (HxWxD)	12.5 x 12.5 x 12.5 cm	8.5 x 12.5 x 12.5 cm
Weight	Approx. 1300 g	Approx. 600 g
Operating Voltage	100 V	100 V
Power Supply	Battery powered (Lithium-ion polymer rechargeable Battery)	Electricity powered (DC 15V 1.5 Amp Power Adapter)
Current	Max. 50 mA	Max. 50 mA
Light Source	High Power Blue LED Panel	High Power Blue LED Panel
Operational & Imaging Control	Any camera app on windows tablet	Dedicated software on Windows Tablet
Data Output	Automatically record 16-bit or 8-bit JPEG image files with the built-in monochrome camera	Automatically record 16-bit or 8-bit JPEG image files with the built-in monochrome camera
Sample Slots per Cassette (Max.)	10 wells (sample volume 1 $\mu$ L)	1 well (sample volume 10 $\mu$ L)
Temperature Gradients	Not available	Available (10°C - 70°C)



### For Research Use only

\*For use in DNA/RNA Diagnostic Procedures is under CDSCO Approval



This product was developed in joint collaboration with Japan Aviation Electronics Industry, Ltd. and commercialized in India by sister company BioSolutions Pvt Ltd. on the basis of the result obtained as a part of research program on 'Practical Application of Health Technology for Developing and Emerging Countries' from the Japan Agency for Medical Research and Development (AMED), entitled '*Development and Performance evaluation of the on-site RNA detection system for SARS-CoV-2 variants in developing and emerging countries*'

Technology Partner:

## BioSeeds Corporation

Ishikawa Create Labo #202,

Asahidai 2-13, Nomi, Ishikawa 923-1211, Japan

Tel: +81-761-51-1591 • Fax: +81-761-51-1665

E-mail: info@bioseeds.co.jp • http://bioseeds.co.jp

Co-manufacturing Partner:

## Biyani BioSolutions Pvt. Ltd.

R-4, Sector-3, Vidhyadhar Nagar,

Jaipur - Rajasthan, India

\*For enquiry/order, please contact :

biyanibiosolutions@gmail.com • +91-9314927400