iGENE LABSERVE®
Innovative • Interactive • Intuitive

VERTICAL GEL ELECTROPHORESIS
WITH POWER SUPPLY

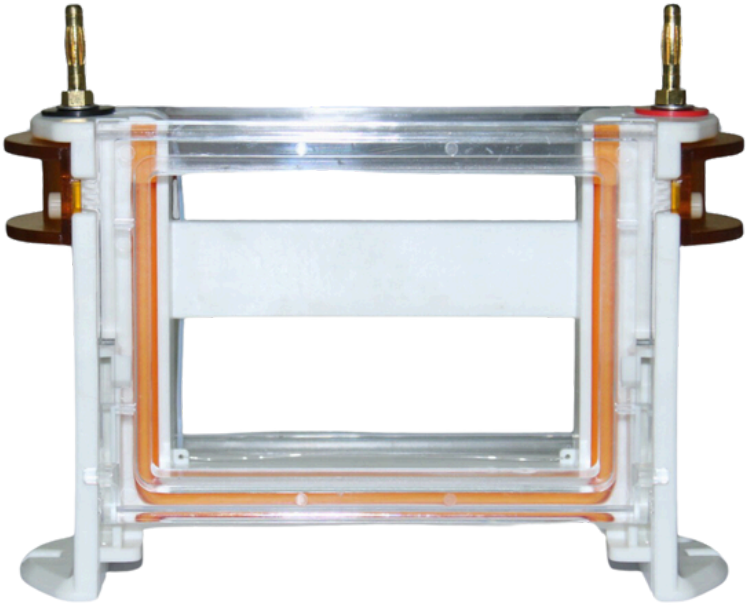
CONTACT US

info@igenels.com
www.igenels.com

iGENE LABSERVE®
Innovative • Interactive • Intuitive

ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.



DESCRIPTION.

Vertical gel electrophoresis is a widely used technique in molecular biology and biochemistry for separating proteins and nucleic acids based on their size and charge. The IG-VDN series vertical electrophoresis units are designed as single-molded systems, eliminating the need for fabrication or adhesive joints, ensuring a leak-proof experience. These units feature a uniquely designed caster assembly that is simple to operate and guarantees a secure, leak-free performance.

iGENE LABSERVE®
Innovative • Interactive • Intuitive

KEY FEATURES:

In-Situ Gel Making Mode: The gel making and running process is completed without dismantling the electrophoresis glass.

Non-Spring Latch Locking Mechanism: The special design of the gel-making base, locked by a non-spring latch, prevents leakage caused by spring pressure failure or aging.

Unique Card Plate Design: The card plate with a whole gland allows the glass plate to be sealed using extrusion rubber strips, avoiding leakage and ensuring proper positioning.

Versatile Glass Plate and Gel Comb: Different gel comb thicknesses (1.5 mm, 1.0 mm) (0.75 optional) allow adaptation to various sample loading needs.

Compatibility with Transfer Electrophoresis: Can be paired with the IG-04FD and IG-044FD western blot assembly.

Durable Material: Made from high-quality transparent polycarbonate for durability and easy observation.

Molded Buffer Tank with Platinum Electrodes: Pure platinum electrodes ensure consistent conductivity and results.

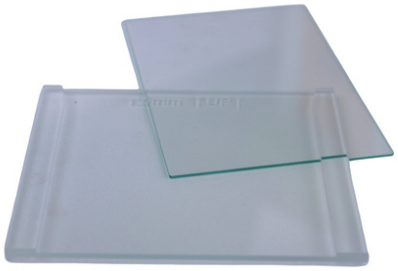
Safety Features: The unit is designed to prevent buffer and gel leakage and has removable electrodes for easy maintenance. The system automatically powers off when the lid is removed for safe operation.

Wide Application: Suitable for SDS-PAGE, native PAGE electrophoresis, and two-dimensional gel electrophoresis.

Soft Seals and Pressure Bars: Ultra-soft silicone seals and pressure bars around the glass plates guarantee a leakproof gel casting experience.

Interchangeable Modules: Designed for PAGE and electroblotting.

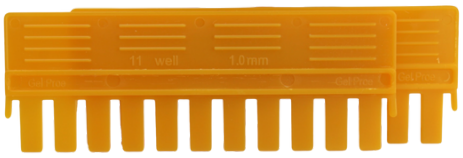
Pre-cast gel : Suitable for use with pre-cast gel.



SPACER AND SHORT PLATES

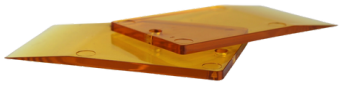
GEL CASTING BASE

TRANSFER CASSETTE



COMB

PREFABRICATED GEL SEAL

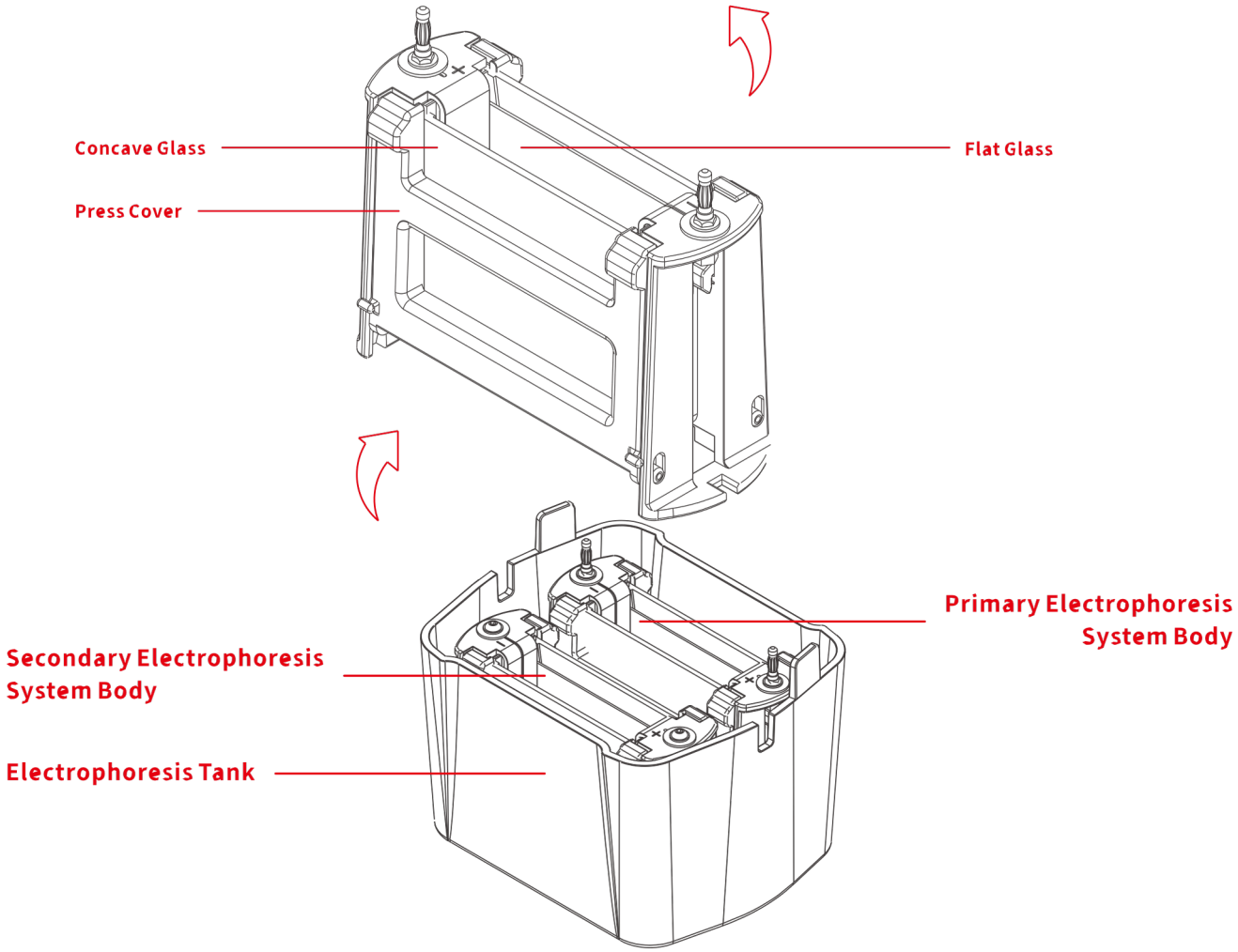


GEL CUTTING CARD

iGENE LABSERVE®
Innovative • Interactive • Intuitive

VERTICAL ELECTROPHORESIS

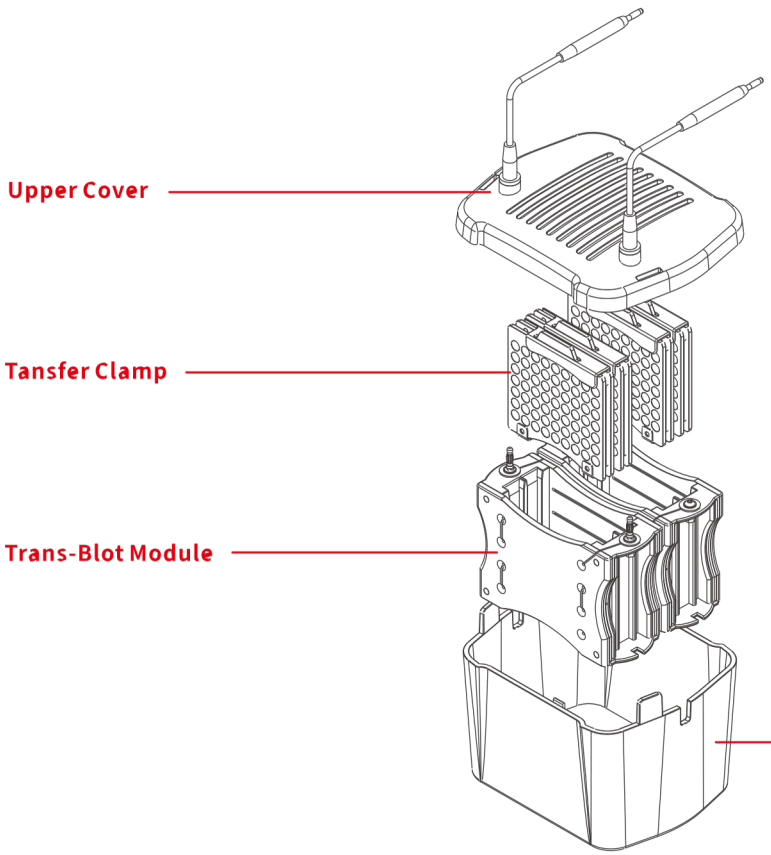
SPECIFICATIONS	PARAMETERS	
Model no.	IG-24VDN VERTICAL ELECTROPHORESIS	IG-34VDN VERTICAL ELECTROPHORESIS
Dimension(LxWxH)(mm)	185*108*125	153*183*159
Gel size (mm)	83*73	83*73
Comb Specifications	1.0mm :11 teeth 1.5mm: 11 teeth	1.0mm: 11 teeth/ 15teeth 1.5mm: 11 teeth/ 15teeth 0.75mm: 11 teeth/15teeth
Maximum Buffer Capacity	0.5L	1.6 L
Number of Gels	1-2	1-4

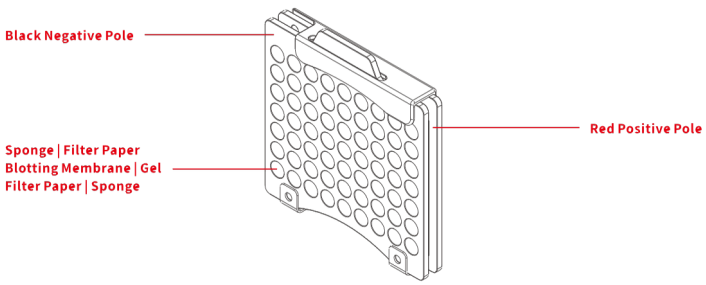


iGENE LABSERVE®
Innovative • Interactive • Intuitive

WESTERN BLOT ASSEMBLY

SPECIFICATIONS	PARAMETERS	
Model no.	IG-04FD WESTERN BLOT ASSEMBLY	IG-044FD WESTERN BLOT ASSEMBLY
Number of Gels	1-2	1-4
Dimension (LxWxH)(mm)	185*108*125	153*183*159
Transfer size (mm)	70*90	70*90mm
Buffer volume	0.5L	1.6L





iGENE LABSERVE®
Innovative • Interactive • Intuitive

POWER PACK IG-4006

The Power Pack IG-4006 is an advanced rectifier device designed to convert alternating current (AC) to direct current (DC) for high-precision applications. Its versatile design supports constant voltage and current control, making it an ideal solution for a wide range of laboratory experiments such as nucleic acid gel electrophoresis, protein gel electrophoresis, Western blotting, and protein transfer. This device is widely used in biological and medical fields for precise, stable, and reliable performance.

KEY FEATURES:

Real-Time Fine-Tuning: Easily adjust settings during operation to achieve optimal results.

Intelligent PID Control: Ensures stable and reliable output for both voltage and current.

HD LCD Display: Clearly shows setting parameters, real-time voltage, and current values.

High Precision Performance: Constant voltage and current with high accuracy.

Multiple Working Modes: Includes constant voltage, constant current, timing gradient voltage, and current programming.

Forward Switching Power Supply Design: Guarantees stability, even with varying loads.

Comprehensive Protection: Features over-voltage, over-current, overload, variable load, and no-load protection, along with automatic alarms for abnormal conditions.

Power-Off Memory: In case of an accidental power outage, the system will automatically resume the unfinished program when restarted.

TECHNICAL SPECIFICATIONS:

Input Power Supply: 180V-240V

AC Frequency: 50Hz/60Hz

Ambient Temperature: 4°C to 40°C

Environmental Humidity: 10%-70%

OUTPUT RANGE:

Voltage: 6V-600V (accuracy 1V)

Current: 5mA-600mA (precision 1mA)

CONTROL ACCURACY:

Voltage Setting:

<100V voltage stability accuracy: <1V

>100V voltage stability accuracy: <±1%

CURRENT SETTING:

<100mA current stability accuracy: <1mA

>100mA current stability accuracy: <±1%

Rated Output Power: 300W

Dimensions: 265mm (L) x 215mm (W) x 120mm (H)

Output Quantity: Positive, negative A/B four groups.

WORKING MODES:

Constant Voltage (U Mode): Default mode, ensures constant voltage during operation.

Constant Current (I Mode): Provides stable current control for sensitive applications.

Gradient Voltage/Current (Gradient U/I Mode): Allows setting of three different voltage or current segments for more complex protocols.

iGENE LABSERVE®
Innovative • Interactive • Intuitive

CONNECT WITH US.

ADDRESS

16/2, BLOCK 16, ASHOK NAGAR,
NEW DELHI-110018

TELEPHONE

+91 11 79613060

EMAIL

info@igenels.com

WEBSITE

https://www.igenels.com

CERTIFIED PRODUCTS
GeM Government e Marketplace
CERTIFIED ISO 9001:2015 COMPANY
MEDICAL DEVICES ISO 13485:2016 QUALITY MANAGEMENT
सत्यमेव जयते MSME सूक्ष्म, लघु एवं मध्यम उद्यम MICRO, SMALL & MEDIUM ENTREPRISES
एन एस आई सी NSIC ISO 9001 : 2008
startup india