

VERTICAL GEL ELECTROPHORESIS

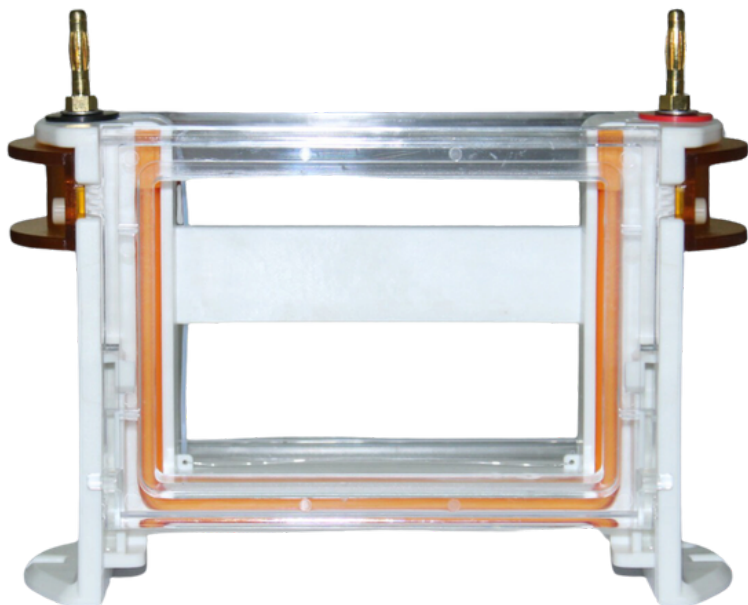


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ABOUT THE COMPANY

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.

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.

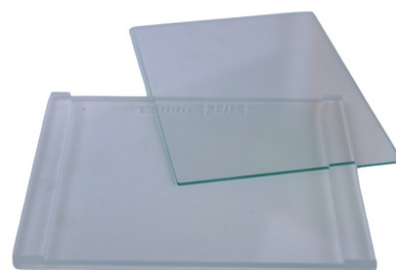
Safety Features: The unit is designed to prevent buffer and gel leakage and has removable electrodes for easy maintenance. The system automatically powers off when the lid is removed for safe operation.

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.



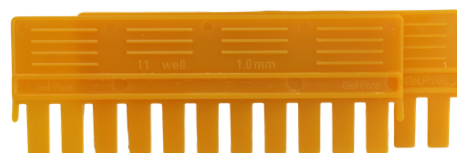
SPACER AND SHORT PLATES



GEL CASTING BASE



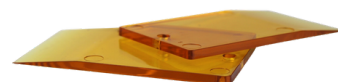
TRANSFER CASSETTE



COMB



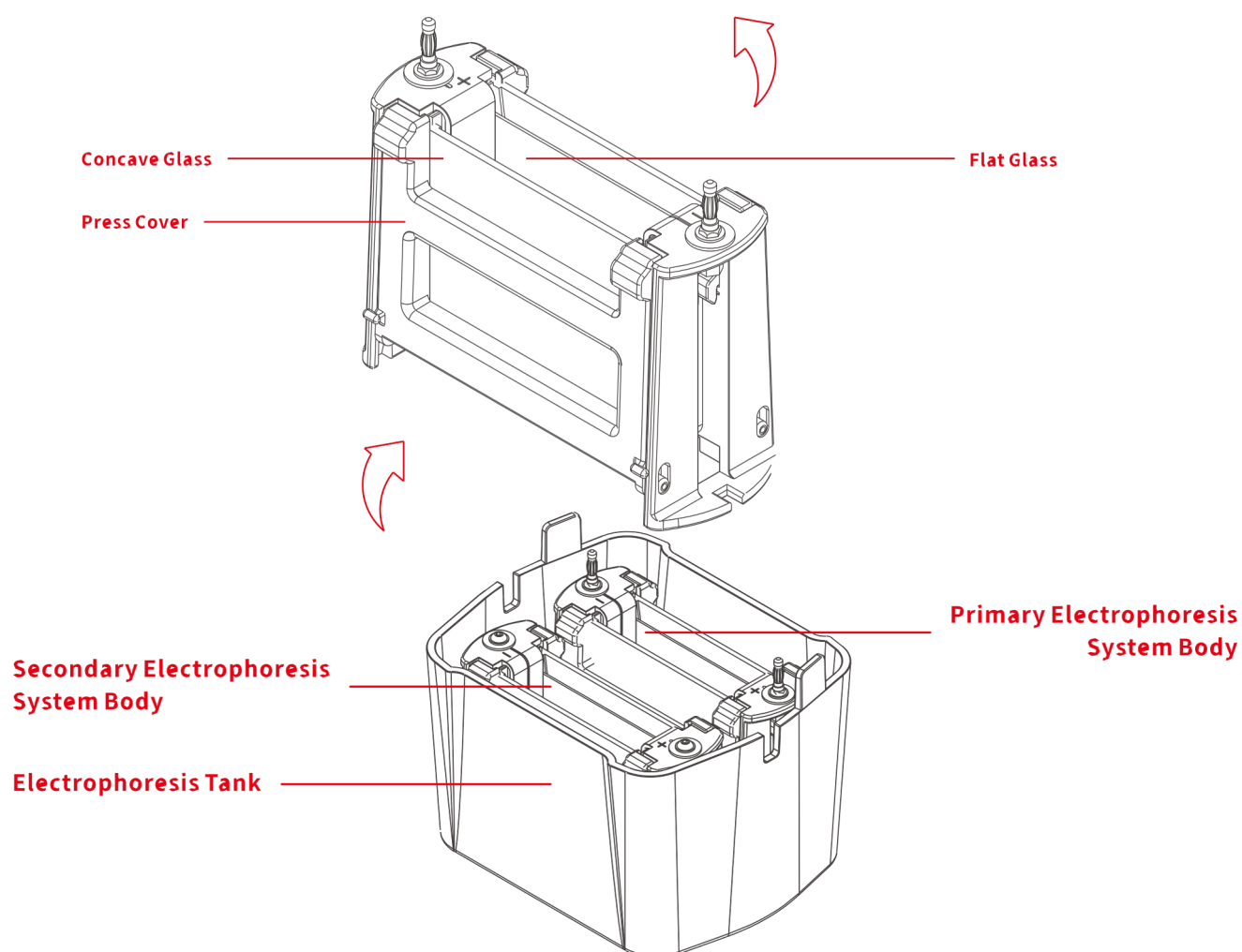
PREFABRICATED GEL SEAL



GEL CUTTING CARD

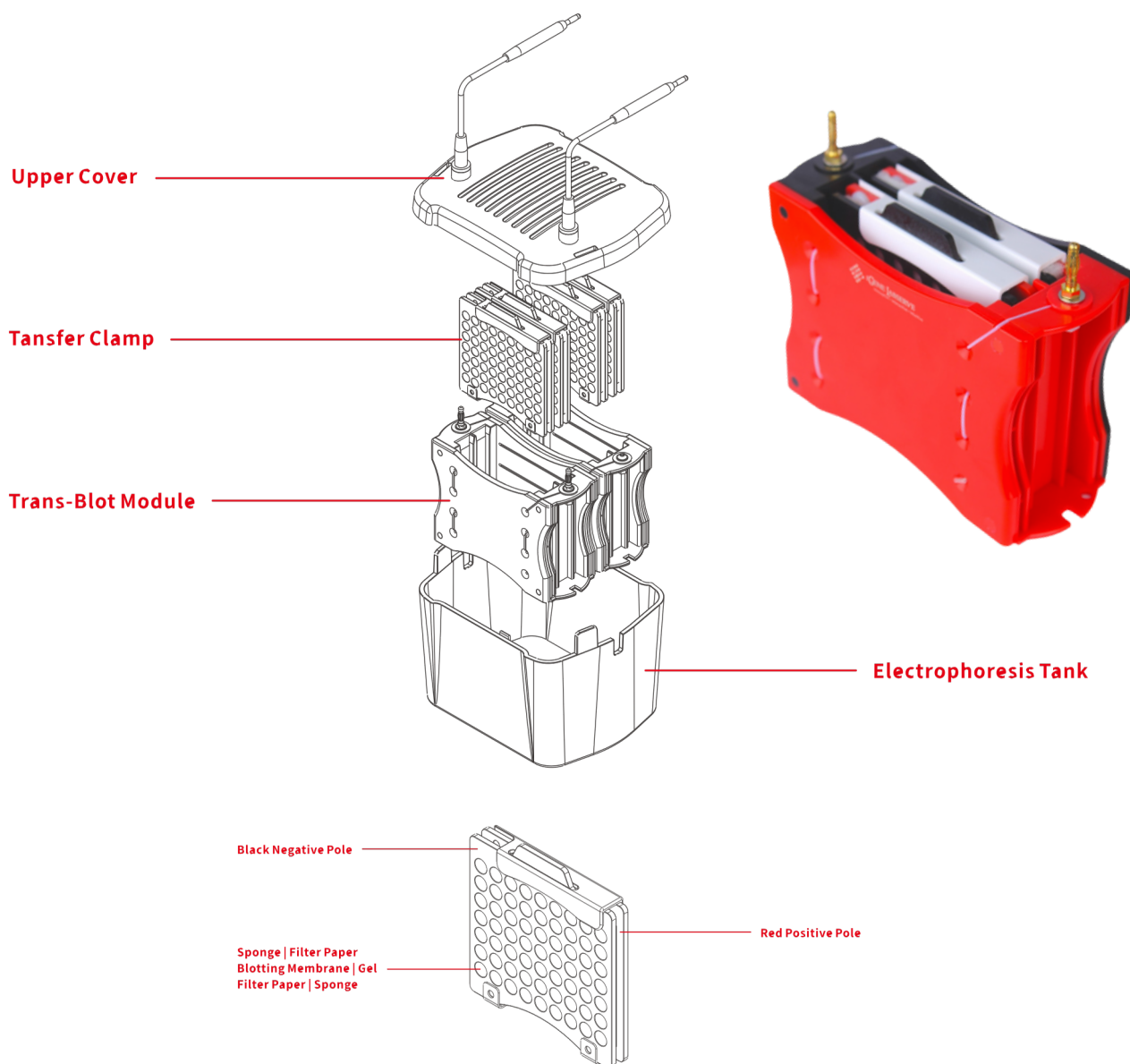
VERTICAL ELECTROPHORESIS

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



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)	153*183*159	153*183*159
Transfer size (mm)	70*90	70*90mm
Buffer volume	1.6L	1.6L





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