ORDERING INFORMATION

CSL-CELLAS	Horizontal Unit for Cellulose Acetate Electrophoresis
nanoPAC-300	300V Power supply, 400mA, 60W (Pg 86)

Code	Size (w x l)	Description
CSLGEL2.514250	2.5x14cm	CellasGEL 250µm, standard thickness, 100/pack
CSLGEL2.514200	2.5x14cm	CellasGEL 200µm, standard thickness, 100/pack
CSLGEL2.514190	2.5x14cm	CellasGEL 190µm, high resolution, 100/pack
CSLGEL5.714500	5.7x14cm	CellasGEL 500µm, high volume, 25/pack
CSLGEL5.714250	5.7x14cm	CellasGEL 250µm, standard thickness, 25/pack
CSLGEL5.714200	5.7x14cm	CellasGEL 200µm,standard thickness, 25/pack
CSLGEL5.714190	5.7x14cm	CellasGEL 190µm, high resolution, 25/pack
CSLGEL2.517200	2.5x17cm	CellasGEL 200 micron, 25/pack

Using CellasGEL

1. Equilibrate a CellasGEL for 10' in electrophoresis buffer using an agitating platform (e.g. 3D Shaker, Pg 119).
2. Dry surplus buffer from the CellasGEL before securing it to a Bridge located within a pre-prepared Cellas tank.
3. Apply samples to the CellasGEL using the appropriate Applicator, and electrophorese at 200V for 30-90' (see Power Supplies, Pg 86).
4. Remove the CellasGEL from the tank, and use the required Clinical Test Kit for staining and destaining and clearing.
5. Place the CellasGELon a suitably sized mylar sheet or glass plate and dry in an oven for 10' at 80°C (e.g. CSL-NHYBRIDBASIC, Pg 127)
6. Quantify bands using Scanner and Densitometer Software.

Cleaver Scientific also provides a comprehensive range of 'wet' cellulose acetate gels, consumables and diagnostic kits. These include:

CellasGEL – 'wet' cellulose acetate gels

CellasGEL 'wet' cellulose acetate gel strips are ready to use and overcome many of limitations of traditional 'dry' cellulose acetate membranes. CellasGEL's advantages over dry cellulose acetate membranes are as follows:

1. Wet state – unlike dry membranes, CellasGEL is a cellulose acetate film produced in a wet form to facilitate buffer adsorption, but without the entrapment of air bubbles that inhibit electrophoresis
2. Greater thickness – CellasGEL's greater thickness (190-500µm) compared to dry membranes (160-190µm) allows application of larger sample volumes to enhance detection of poor quality specimens low in protein content
3. High resolution – samples may be applied to CellasGEL as wider but finer bands, without risk of diffusion, to make band quantitation more reproducible; this is further enhanced by extended migration distances (60-70mm) that improve band separation
4. Amphiphilic – CellasGEL's lipophilic and hydrophilic properties make it the perfect separation medium for many different biological molecules, ranging from lipoproteins to haemoglobins

CellasGEL is supplied either as individual packs of 25 or 100 strips or within clinical test kits for the following applications:

- Immunofixation Electrophoresis (IFE): Monoclonal Gammopathies of Undetermined Significance (MGUS); Multiple Myeloma (MM)
- Serum Protein Analysis: Dysproteinaemia; Incipient Gammopathies
- Haemoglobin Analysis: Haemoglobinopathies such as Thalassaemias and Sickle Cell Disorders
- Lipoprotein Analysis: Hyperlipidaemias; High-density (HDL), Low-density (LDL) and Very-low-density (VLDL) lipoprotein evaluation

Other gels, membranes, strips, bridges & applicators available – PLEASE ENQUIRE

Clinical Electrophoresis

Cellulose acetate electrophoresis is an important technique in clinical diagnostics. Cleaver Scientific's CellasGEL range is a complete solution for research and clinical cellulose acetate electrophoresis applications. The CellasGEL range includes both equipment and consumables to assist in the research and diagnosis of specific disease states.

Cellas Electrophoresis System

The ideal tank for standard 'dry' membrane and 'wet' gel cellulose acetate techniques, the Cellas electrophoresis system is designed and built to our high quality standard to address both routine clinical and research requirements. Two adjustable supports, which can be positioned anywhere within the tank, readily accommodate different lengths of dry cellulose acetate membrane to a maximum 20cm.

FEATURES:

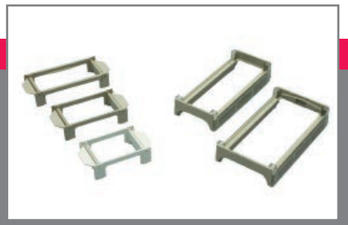
- Compact high resolution system for clinical electrophoresis
- Accommodates strips and gels up to 24x20cm
- Complete range of cellulose acetate gels and kits
- Densitometer software and scanner available

Connect With Us

TYPICAL APPLICATIONS

Qualitative identification and quantification of Hb variants. Finding abnormalities of Hb synthesis like sickle cell disorders, thalassaemias etc.

CSLAPPS4



Various Bridges