



Elchrom Scientific

for

**“Origins” - Integrated Electrophoresis System
Ready Cast Gels**

“BindET” – Ethidium Bromide Disposal System

Elchrom offer:

- Specifically Designed Complete Electrophoresis packages for your requirements
- Technical Support
- High Throughput, high resolution gels
- Exclusive non agarose, non polyacrylamide gels

ORIGINS - electrophoresis apparatus with integrated temperature control system



Features:

- All components for electrophoresis in one unit
- Integrated cooling/heated systems – no need for external water bath and temperature probe
- Integrated temperature control – automatic control of the running of the buffer temperature with accuracy of $\pm 0.1^{\circ}\text{C}$
- Integrated pump for the buffer circulation
- Working temperature ranges from 9 to 55°C
- High through put – up to 400 samples simultaneously
- Used with Elchrom pre-cast gels OR self made agarose gels

Cat no: Elchrom 2100 E – Origins by Elchrom

Elchrom also manufacture individual components and accessories for electrophoresis systems

Ready Cast Gels

- **Features:**
Thermally stable and chemically inert therefore do not interfere with subsequent enzyme reactions and offer the opportunity of direct sequencing and/or PCR reactions.
- High through-put.
- High Resolution

GEL Type	Size range	Key properties	Applications
Spreadex – High resolution	10bp – 1000bp	High Resolution 4 bp on 4 cm gel length, 1 bp on 8 cm gel length. Accurate sizing (\pm 1 bp) of DNA fragments Stained bands can be excised and used directly for PCR, sequencing and elution for cloning	STRs, AFLP, ISSR, multiplex PCR, MS-PCR, Oligo checking, tRNA and siRNA
PCR CheckIT – Reusable	100 – 4000bp	High Throughput applications. Reusable up to 10x Compatible with 96 and 384 well plate format, and with multi- channel pipettes Fast Runs	PCR checking, DNA recovery, HLA typing, RT-PCR, RFLP and library checking
Poly Nat – Broadest size range	50bp– 20kp	Analysis over a broad DNA size range High Sensitivity: down to 0.5ng/band High Resolution: 2-3% for fragments up to 2000bp	RAPD, RFLP, REP_PCR, ARDRA, AFLP, and multiplex PCR

Also:

- GMA gel – for Point Mutation Screening
- Clearose RNA – for RNA analysis
- Short Fragment gels – sizing of short DNA and RNA fragments.
- Blotex PreCast Protein Gels – for high protein recovery in Western Blotting.

BindET

- ecological responsible disposal of Ethidium Bromide



Features:

- On site removal systems
- Closed system, no filtration, no pumps, no additional equipment required
- Ion exchange column
- Large quantities - column can remove 2g of ETBr which corresponds to the quantity of EtBr used by an average laboratory per year; more than 4000L of typical gel electrophoresis solution or dye solution
- No toxic liquid waste stream - resulting aqueous solution can be treated as non toxic waste water.
- No hazardous solid waste – cartridge is treated as regular laboratory waste for incineration

Cat no: Elchrom 2350 - BindET with cartridge

Elchrom 2351 - Replacement cartridge

The full range of Elchrom products may be viewed on the following website address: www.elechrom.com

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