



Industrial QA/QC Genotyping



«Elchrom provides industry with solutions for reliable routine QA/QC genotyping on a large scale.»

Jean-Louis Roux dit Buisson, CEO Elchrom Scientific

Elchrom excels in high-resolution & high throughput separation of biomolecules. Increasingly, industry relies on innovative Elchrom products and services to perform business critical operations on the production floor and in the laboratories.



Elchrom offers excellence in separating DNA fragments as well as protein mixtures through proprietary equipment and consumables. Our business model proposes access to the technology via licenses and services performed on our premises. Typical benefits include cost effective enhancement of performance measured against metrics such as speed, turnaround time, traceability, throughput, reproducibility and reliability. Most usual applications include QA/QC, purification of synthetic nucleotides (DNA, RNAi), large scale mi-crosatellite analysis and a new range of high-performance formulations for protein analysis. Elchrom's high performance separation technologies are robust, versatile, cost effective and modular.

Biomolecular Analyses

Elchrom's precast hydrogels cover size ranges from 20 -20'000 bp. On Mini

gels, DNA and RNA fragments can be separated that differ by only one base pair, respectively one nucleotide. The inertness of the gels allows for direct reamplification, sequencing or cloning. Not relying on acrylamide, they are safe for users. Elchrom gels are therefore a perfect choice for:

Microsatellite analyses
Mutation Detection
ISSR, AFLP, RFLP, SSCP
HT PCR checking

In addition to its genomics line, Elchrom is patenting new revolutionary formulations for protein analysis designed for excellence in 2D as well as in Western blotting. Excellence is measured primarily in terms of detection sensitivity and highest transfer efficiency and product recovery.

Biomolecular Purification

Elchrom Scientific is working with a number of industrial customers that applied Elchrom technologies to the ultra-purification of nucleic acids. Elchrom intends to scale-up its ultra purification to industrial batches of therapeutic nucleic acid actives.

The GenoMouse™ Integrated Services for Industry

GenoMouse™ by Elchrom Scientific proposes to researchers and breeders highly efficient genetic testing service to improve the reliability and reproducibility of their research, as well as shorten the time to publications and time to the market.

Elchrom unambiguously identifies the genetic background of mice. Typical applications include regular QA/QC and sorting of disasters in the animal facilities, accelerated background crossing management for fastest and most efficient animal production.

Other Applications and Custom Services

Our scientists have developed a number of additional microsatellite applications (sexing, Y-print etc), SNP analysis (susceptibility to Scrapie in sheep) and diagnostics used in hospital research.

Call our customer service. We shall be happy to adapt our technologies to your specific needs.