

Chromai Leaps Tandem UHPLC

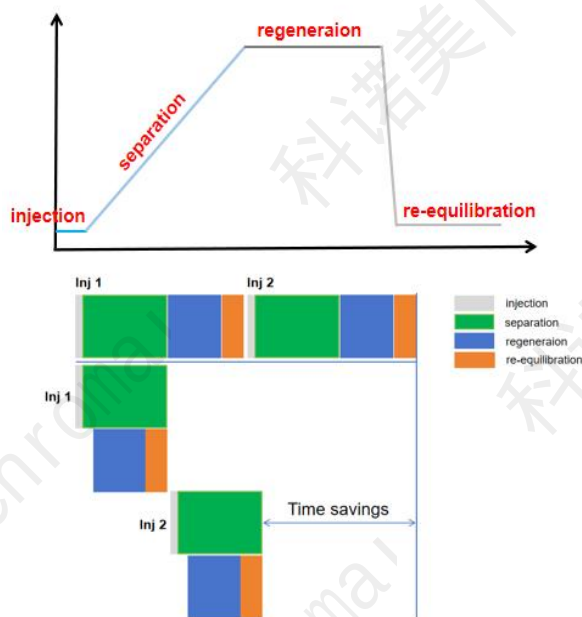


Leaps Tandem UHPLC

Ultimate Throughput, Born for Efficiency

Where Does the Time Go ?

In gradient-based liquid chromatography methods, the runtime typically includes four phases: short-term enrichment, gradient elution, column cleaning, and re-equilibration. Target analytes usually elute during the early stages of gradient elution or column cleaning, while the remaining runtime is dedicated to column cleaning and re-equilibration for the next injection. Chromai LEAPS Tandem UHPLC utilizes parallel column regeneration technology to eliminate redundant column cleaning and re-equilibration time, significantly improving sample throughput.



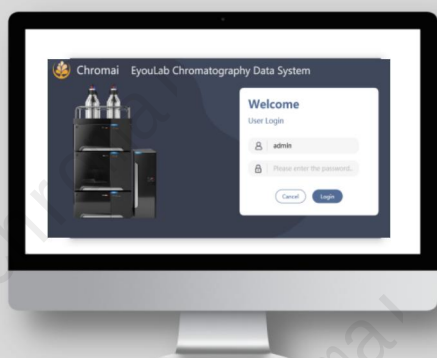
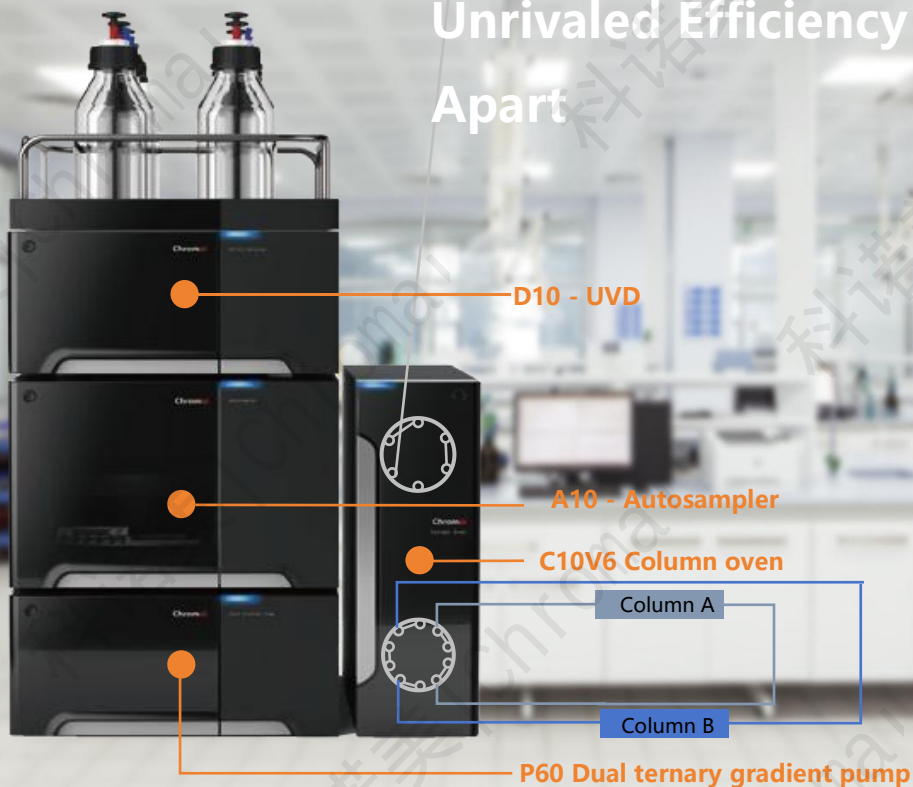
For a 4.6*150mm column and a 15-minute gradient method, column cleaning and re-equilibration consume nearly 7 minutes (at 1 mL/min flow rate) when using 2 column volumes. Chromai LEAPS Tandem UHPLC reduces total runtime by 46%!



Benefits of Chromai LEAPS Tandem UHPLC:

- Reduces single-run gradient time by over 40%.
- Lowers lab operating costs and improves asset utilization.
- Enhances sample throughput.
- Exceptional durability of Chromai LEAPS platform.
- Simplified system configuration with dual ternary platform.
- Smart valve-switching technology for dual - column cycling in a single acquisition method.

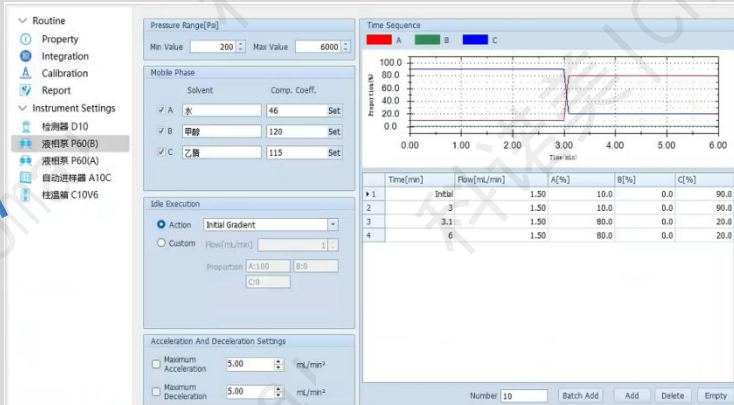
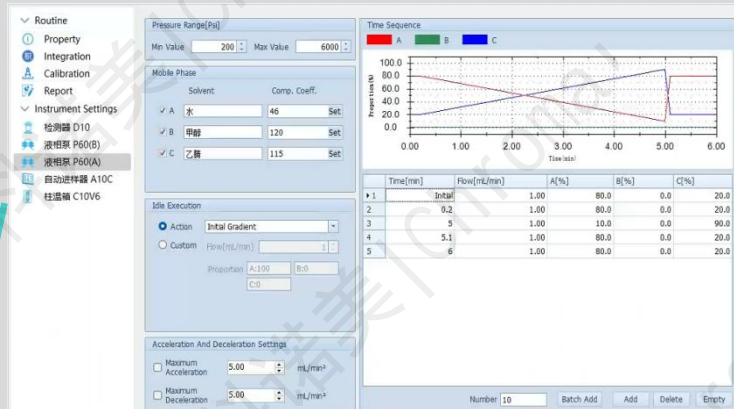
Unrivalled Efficiency Sets You Apart

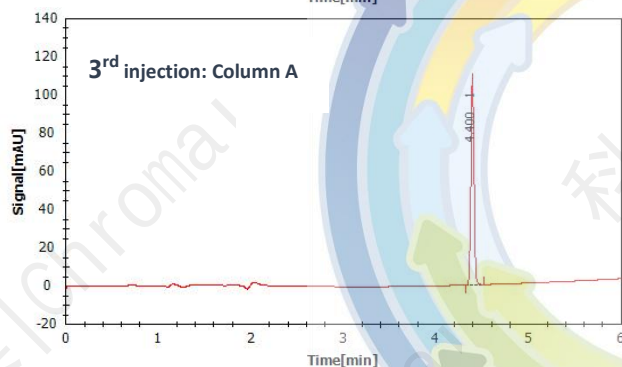
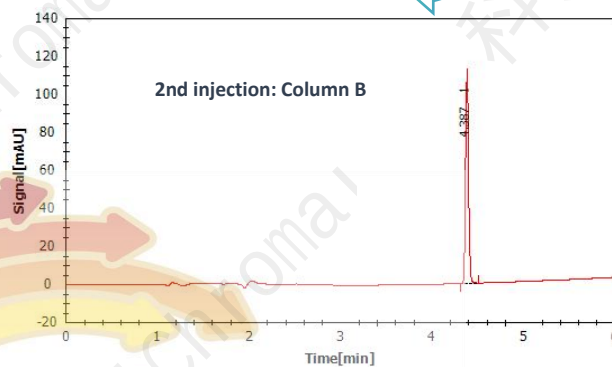
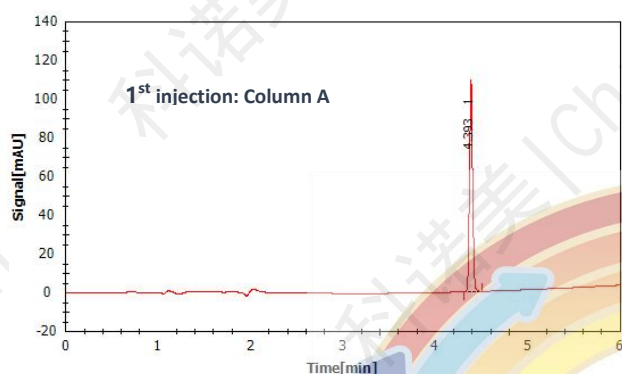
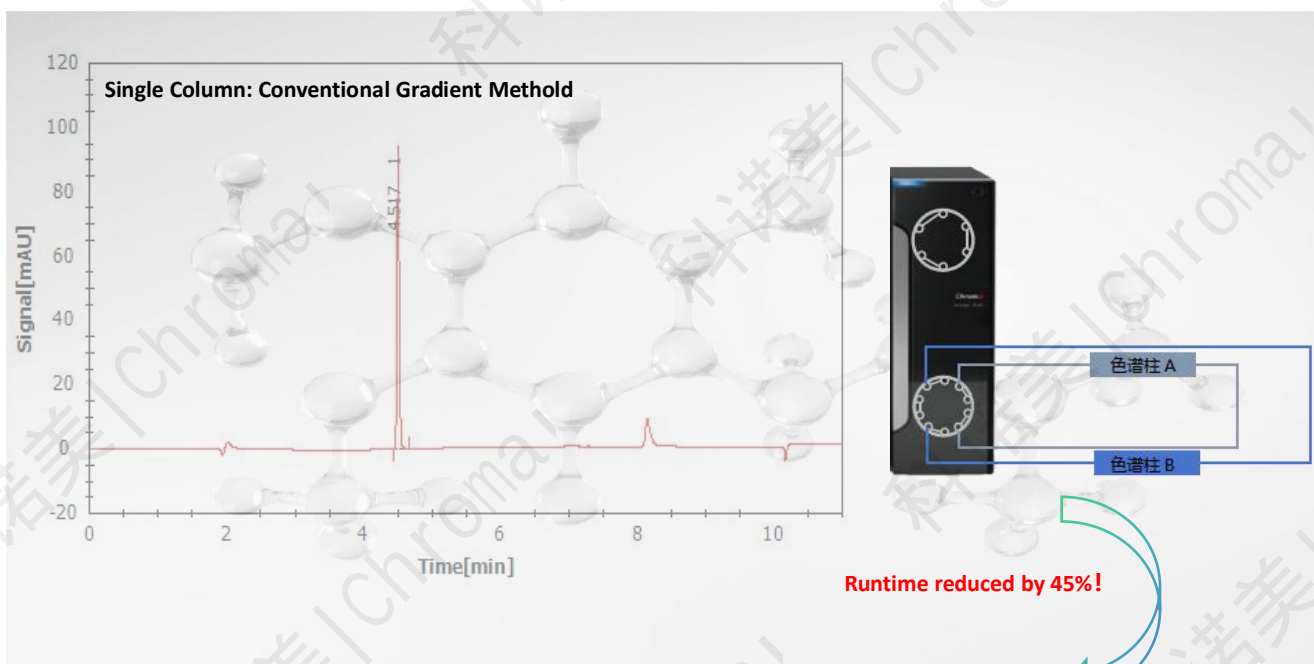


Eyolab CDS

	Time[min]	Flow[mL/min]	A[%]	B[%]	C[%]
▶ 1	Initial	1.00	80.0	0.0	20.0
2	0.2	1.00	80.0	0.0	20.0
3	5	1.00	10.0	0.0	90.0
4	8	1.00	10.0	0.0	90.0
5	8.1	1.00	80.0	0.0	20.0
6	11	1.00	80.0	0.0	20.0

The dual ternary system simplifies traditional gradient methods: Pump A handles elution, while Pump B manages cleaning and re-equilibration





Smart column switch tech

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Dual performance monitoring