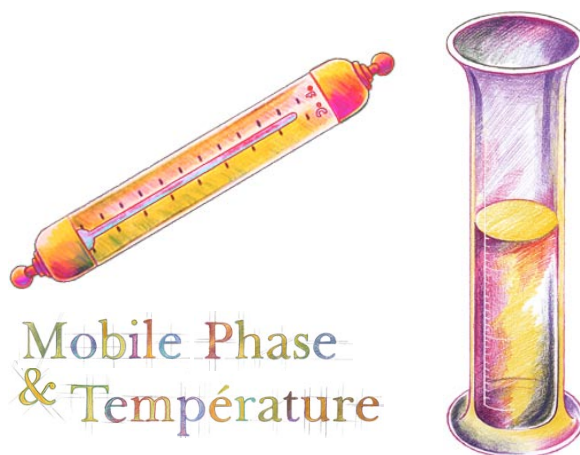
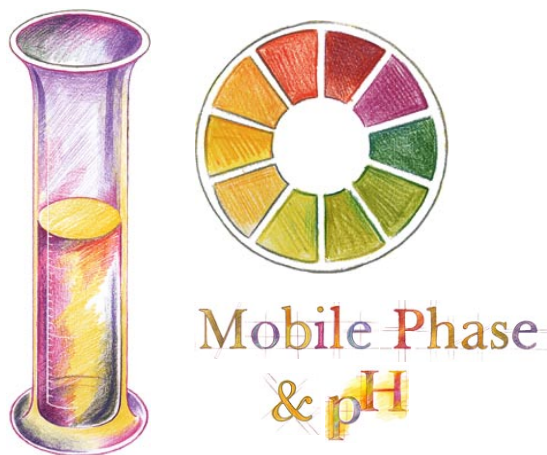
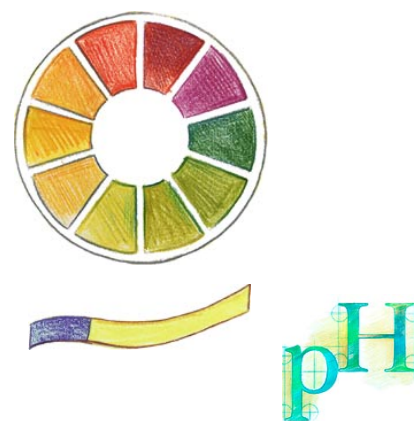
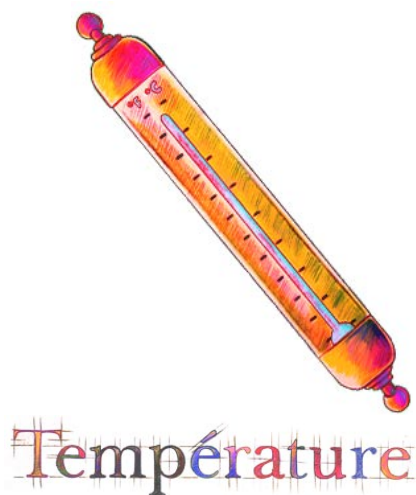


# Need robust HPLC methods?



## Trust **Osiris**, the Interactive Assistant

[www.osiris.bz](http://www.osiris.bz)

### Develop

Osiris speeds up the development of your HPLC separations in isocratic mode as well as for gradient operation

### Optimize

Osiris also improves your existing methods (quality of separation, robustness, run time)

### Experiment

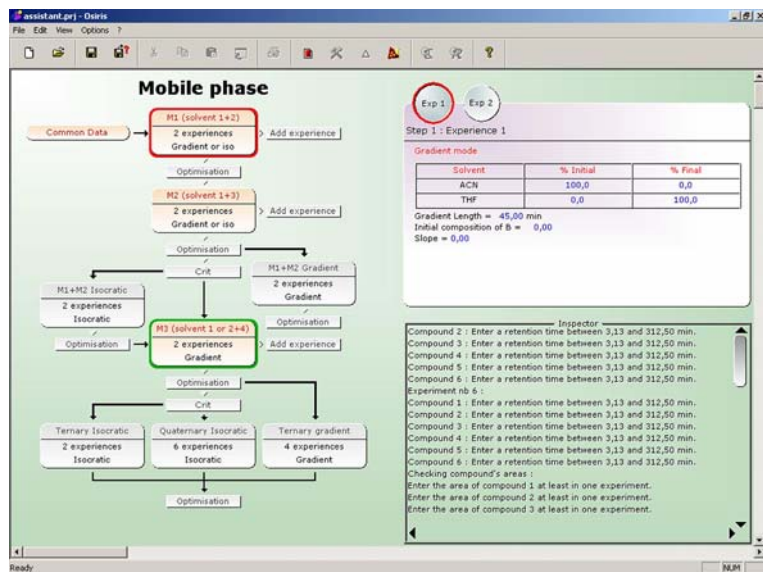
Osiris accurately models the effect of different parameters on your separation

### Validate

Osiris is a very helpful tool for method transfer and validation

OSIRIS is a software tool dedicated to method development and optimisation in Liquid Chromatography. Due to its unsurpassed algorithms based on 10 years of research in the Analytical Sciences Laboratory in Lyon University, OSIRIS allows you to set up robust methods in a very short time and after only a few runs.

The new version 4.0 offers a brand new intuitive interface including a unique WIZARD which guides the analyst step-by-step through the optimisation process.



## Develop

Usually, the set-up of a complete method requires time-consuming analysis in your laboratory before obtaining a satisfactory result. With a minimum of experimentation OSIRIS is able to model retention behaviour of compounds and then to offer computer predictions of various chromatograms for different analytical conditions. Using this predictive modelling, a wide range of conditions can be simulated in only few minutes.

## Experiment

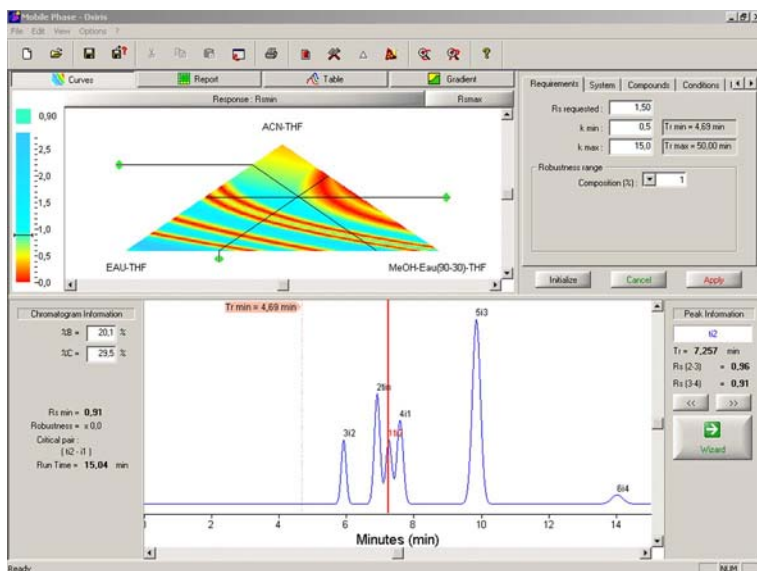
OSIRIS is able to perform different optimisation types :

- Mobile phase composition (isocratic, binary, ternary or quaternary, linear and multi-step gradient) , pH, temperature
- Multi-dimensional optimisation : isocratic composition (binary or ternary)/temperature, binary isocratic composition/pH, gradient/temperature, gradient/pH.

The mathematical models used are specific for each type of parameters and enables the prediction of an exact optimum.

## Optimize

OSIRIS also improves your existing methods. You can fix your own criteria in terms of quality of separation (resolution), analysis time and/or robustness. You can evaluate how sensitive this method is to small variations in the conditions or to shorten the analysis time without sacrificing resolution. OSIRIS allows you also to focus on the separation of target compounds.



## Validate

OSIRIS is a very helpful tool for method transfer and validation since it takes into account the robustness of the analytical conditions and the dwell volume of your chromatographic equipment. You can also study the effect of modifications in the physical properties of the column. Thanks to its Simulation table, OSIRIS allows you to store and to compare chromatograms obtained using different conditions. Finally, OSIRIS enables you to fully document your method and to create a detailed report.



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