



Method Development,
Phase Screening and
Prep Scale-up services
that accelerate your
chromatography
development
programs



LC Optimization & Prep Services

“What is the right resin / phase for my process?”

“I need a new analytical method but don’t have the resources to develop it on my own.”

“I need optimize my method.”

“I’m scaling up my process to prep and I need assistance.”

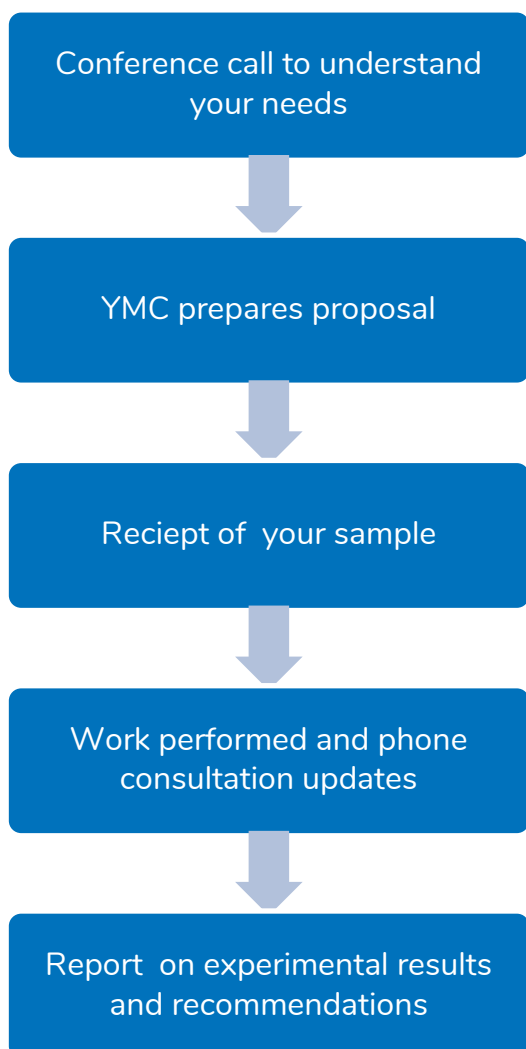
LC Optimization Services

Save time using our Insight Lab experts and resources to optimize your LC methods

Our YMC lab offers a range of solutions including:

- Stationary Phase Screening
- Generating new analytical methods
- Optimizing existing methods
- Converting an LC/UV method to mobile phase compositions that are LC/MS compatible
- Bench-scale prep/purification studies
- Method conversion from HPLC to UHPLC

General service workflow:



From days to weeks (depending on complexity) to receive:

- ✓ Report on method use
- ✓ Data sets generated
- ✓ Written report and recommendations

LC Optimization services by YMC delivers:

- Time-savings for you: YMC's experts in media and method development expedite the process, providing results faster. You can get on with using these insights vs. resourcing an internal scientist to hone your process.
- Cost reduction by improving productivity in your lab - outsourcing the specialized and tedious job of generating the data.

Good to know:

- Our labs are equipped with the necessary instruments for the services we provide
- Successful track record of delivering results over years of contract work with global leaders in bio/pharmaceutical production
- Analysis performed using verifiable protocols on industry standard HPLC analytics.
- Samples available (if appropriate) for confirmation by your lab
- Regular progress updates
- Final report is provided

YMC



LC Preparative Services

Options for prep scale leveraging our scale-up expertise

When developing preparative methods, the focus is shifted to aspects such as loadability, eluent consumption, and/or cycle time, which greatly influence the economic efficiency of a process.

- Generating a new preparative method
- Transfer of an analytical method via scale-up
- Optimizing an existent method
- Loadability studies

Rental of equipment may be available should you want hands-on experience in your lab.



Collaborate on setting target outcome



Proposal generated / signed off



Receipt of sample(s) and work performed with regular review calls



Report issued with data, conclusions, observations, and recommendations



YMC manufactures a full range of columns and systems which gives our scientists a platform with predictable scale-up



An intimate degree of collaboration:

Some of these topics may be linked to another service, such as generating a new method for the separation of a degradation product with subsequent preparative isolation of this compound. A high degree of interactivity with the customer ensures a project's progress is team-based. Complex tasks are always broken down into steps and every project step is individually discussed with the customer.

Other capabilities for your consideration:

Our Insight Lab Services also provide you:

- Feasibility studies
- Contract purification and / or impurity amplification
- Continuous chromatography feasibility studies using [CaptureSMB](#) and [MCSGP](#) techniques



LC Insights - Getting Started

I want to investigate how my company can leverage the YMC Lab Insight Services – where do I start?

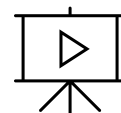
Our labs are located in every major region. Select a lab or sales office in your region from the list below. You'll be put in contact with a business development manager who can work with you to determine the optimal way to get you started; contract services, equipment rental, or purchase of an instrument equipped with LC or Continuous Chromatography methodology.

More information in these forms are available for you to review:

- Case study on N-Rich: [Case Study](#)
- Brochure on the Contichrom CUBE instrument equipped with N-Rich: [Brochure](#)
- More lab services by YMC: [Services site](#)



Take a video tour of one of our Insight Centers here



YMC America, Inc
Process Technologies & Insight Services
8 Charlestown Street
Devens, MA 01434
Tel: +1 978 487 1100
www.ymcpt.com
sales@ymcpt.com

YMC ChromaCon AG
Europe labs
Technoparkstr. 1
8005 Zürich, Switzerland
sales@chromacon.ch
www.chromacon.ch
Tel: +41 44 445 20 11

More Regional Offices:
www.ymc-europe.com
www.ymcindia.com
www.ymcchina.com
www.ymckorea.com
www.ymc.sg.com
www.ymctaiwan.com

Headquarters & labs: YMC Co., Ltd.
YMC Karasuma-Gojo Building
284 Daigo-cho, Karasuma Nishiiru,
Gojo-dori,
Shimogyo-ku, Kyoto, 600-8106 Japan
Tel: +81-75-342-4515
FAX: +81-75-342-4550
www.ymc.co.jp
sales@ymc.co.jp



Workshops: Hands-on training on LC and continuous chromatography

Of note:

- Workshops are held in Europe, US, India, Korea and Japan
- A certificate of participation is provided

YMC logo is registered trademark of YMC Co. Ltd. ChromaCon®, Contichrom®, ChromIQ® are all registered trademarks of YMC / ChromaCon AG. The absence of a product or service name or logo from this list does not constitute a waiver of YMC trademark or other intellectual property rights concerning that name or logo.

Brochure version: 151221 – subject to change without notice

