



## ChromStation Sdn. Bhd. (839214-T)

No.50, Jalan Sungai Burung 32/72, Seksyen 32,  
40460 Shah Alam, Selangor Darul Ehsan, Malaysia.  
Tel : 012-214 3019, Fax : 03-5121 7584  
email : chromstation.sb@gmail.com  
www.chromstation.com

**Course Title : Chromatography Training Course  
Basic Fundamental of Method Development in HPLC**

Training Date : 14-16<sup>th</sup> November 2011

Training Venue : ChromStation and ChromLab (M) Sdn Bhd  
No. 2A, Jalan Putra Mahkota 7/8A,  
Putra Point Business Center, Putra Heights,  
47650 Subang Jaya, Selangor, Malaysia

Fees : RM 1,680

Trainer : HC Foo  
Has 20 years experiences in Gas & Liquid Chromatography in various industries and fields ranging from petrochemical, food, pharmaceutical, environmental and forensic . To his credit he worked for 12 years as regional chromatography specialist, specialized in method development, technical consultation and training. Now works as independent and appointed consultant and trainer for GC, HPLC, LCMS and GCMS as well as spectroscopic range of instruments.

### Course Contents:

#### Day 1

9.00 - 12.30 Basic Principle of HPLC  
Conventional & Advance LC Systems  
Chromatographic Parameters  
Column Chemistry

2.00 – 5.30 **Practical Session 1**  
Startup HPLC Systems  
Mobile Phase & Sample Preparation  
System Equilibration

**Practical Session 2**  
Learn Isocratic Run  
Learn Gradient Run



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### Day 2

9.00 – 12.30 Strategies in Mobile Phase Optimization  
Stationary Phase Chemistry for Reverse Phase HPLC  
Hydrophobic Interaction Chromatography & Related Technique  
Standard Practices in HPLC Method Development

2.00 – 5.30 **Practical Session 3**  
Find Common Problems & Learn Guides on Troubleshooting  
Learn the Effect due to Column Dimension & Bonding Phase

**Practical Session 4**  
Learn the Effect due to Mobile Phases  
Learn How to Optimization Separation

### Day 3

9.00 – 12.30 Guide on Rapid HPLC Method Development  
Developed A Robust, Accurate & Precise Method  
System & Method Validation

2.00 – 5.30 **Practical Session 5**  
Case Study on Method Development  
Students will be given sample to practice on method development based on the objectives given.