

HPLC/UHPLC BEST PRACTICES IN METHOD DEVELOPMENT/OPERATIONS AND TROUBLE SHOOTING

29th - 3rd
JUNE - JULY 2026

Chrom Africa offers an outstanding platform for training on HPLC. This training program provides theoretical and practical understanding of HPLC, its maintenance, method development and troubleshooting techniques. All the information related to latest available HPLC components from pumps and detectors is provided. During the training, knowledge of selecting relevant instrumentation and columns, Detectors, Sample preparations, creating methods interpreting and troubleshooting the chromatograms is imparted. Hands-on aspect to enhance the practical operational experience is provided.



Day 1	29-06-26	EVENTS
9.00 – 9.30 am	Registration and Climate Setting	
9.30 – 10.00 am	<ul style="list-style-type: none"> Introduction & Instrumentation of HPLC, functions and operation HPLC components 	
10.00 – 10.30 am	TEA- BREAK	
10.30 – 12.30 p.m	<ul style="list-style-type: none"> Introduction to basic principle of chromatography, various HPLC detectors with their uses, columns, binary and isocratic gradients, mobile phases, polarity and retention time 	
12-30 – 14.00 p.m	LUNCH - BREAK	
14.00 – 16.30 p.m	<ul style="list-style-type: none"> Functioning of UV/VIS/DAD/RID detectors, its working, calibration and applications. Functioning of, Fluorescence detector functioning, its working, calibration and applications and other HPLC Detectors. 	



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Day 2	30-06-26	EVENTS
9.00 – 10.30 am		<ul style="list-style-type: none"> HPLC Columns selections and types of Columns. HPLC Columns installation procedure and care of columns
10.30 – 11.10 am		TEA- BREAK
11.00 – 12.30 p.m		<ul style="list-style-type: none"> Creating method on LC Software and validating the method. (Practical) Development of method, optimizing various chromatographic parameters
12-30 – 14.00 p.m		LUNCH - BREAK
14.00 – 16.30 p.m		<ul style="list-style-type: none"> LC Sample Preparation and clean up (Practical's)

Day 3	01-07-26	EVENTS
9.00 – 10.30 am		<ul style="list-style-type: none"> Preparation of test solutions, Mobile Phase, Setup method for HPLC, Data acquisition software. (Practical)
10.30 – 11.10 am		TEA- BREAK
11.00 – 12.30 p.m		<ul style="list-style-type: none"> Creating sequence and multiple sample analysis (Practical) Developing calibration curve and producing report files. (Practical)
12-30 – 14.00 p.m		LUNCH - BREAK
14.00 – 15.30 p.m		<ul style="list-style-type: none"> Sample Analysis (Practical's)

Day 4	02-07-26	EVENTS
9.00 – 10.30 am		<ul style="list-style-type: none"> Quantitation software, Integration and Report Generation
10.30 – 11.10 am		TEA- BREAK
11.00 – 12.30 p.m		<ul style="list-style-type: none"> Quantitation software, Integration and Report Generation
12-30 – 14.00 p.m		LUNCH - BREAK
14.00 – 15.30 p.m		<ul style="list-style-type: none"> Analysis of different types of water samples



Day 4	03-07-26	EVENTS
9.00 – 10.30 am		<ul style="list-style-type: none"> Quantitation using internal standards Understanding specific applications, preventive care, maintenance and trouble shooting. (Practical)
10.30 – 11.00 am		TEA- BREAK
11.00 – 12.30 p.m		<ul style="list-style-type: none"> Course overview Discussion of the results
12-30 – 14.00 p.m		LUNCH - BREAK
14.00 – 15.00 p.m		<ul style="list-style-type: none"> Directors speech and issue of certificates

Deadline: 16th June 2026

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Cost Kes. 125,000.00
or USD 1,200.00
exclusive of taxes

NAIROBI

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