

Luminex Learning

Luminex Training in Europe — The Netherlands

Luminex is proud to be known as a pioneer in the field of biological testing. Our xMAP® Technology has revolutionized the medical, technological, and scientific industries, enabling companies and laboratories to perform bioassays quickly, accurately, and economically. We offer a comprehensive suite of educational courses targeted to optimize every customer's experience with their xMAP® System.

Instrument & xPONENT® Training Course

9:30 a.m. – 5:00 p.m. (1-Day training)

- CN-0248-01: MAGPIX®
- CN-0211-01: Luminex® 200™
- CN-0311-01: FLEXMAP 3D®
- CN-0504-01: xMAP INTELLIFLEX®

This one-day course covers routine instrument use, as well as maintenance and troubleshooting exercises, including understanding calibration and verification reports. Software instruction will include building protocols and batches, running batches, and performing data analysis.

Fundamentals of xMAP Proteomic Assays (CN-0488-01)

9:30 a.m. – 4:30 p.m. (2-Day training)

This two-day course covers skills for developing application-specific immunoassays on the xMAP® platform. The **practical session** consists of coupling capture antibodies or antigen to paramagnetic MagPlex® microspheres (using the two-step carbodiimide coupling method), determining bead recovery, running a coupling confirmation assay, and performing a cross-reactivity test. The capture sandwich immunoassay for antibody coupling and running an indirect immunoassay for antigen coupling will also be discussed. An in-house assay will be used for this course.

The **theoretical session** will cover methods for coupling antibodies or different molecules (e.g., antigens, peptides, small molecules, etc.) to Luminex microspheres, as well as developing different assay formats (e.g., indirect detection, the serology assay, or the competitive inhibition immunoassay). It will also provide guidance on identifying components of antibody structure, the capture sandwich immunoassay format, technical tips, assay development best practices, and advice on buffers and consumables. The course includes troubleshooting coupling and assay development.

Fundamentals of xMAP Nucleic Acid Assays (CN-0489-01)

9:30 a.m. – 4:30 p.m. (2-Day training)

This two-day course covers skills for developing application-specific nucleic acid assays on the xMAP platform. The **practical session** consists of coupling amino-modified oligonucleotides to paramagnetic MagPlex microspheres, determining bead recovery, running a coupling confirmation assay, and running a multiplex direct DNA hybridization assay. An in-house assay will be used for the practical part of the course.

The **theoretical session** will provide detailed information on developing MagPlex-TAG™-based assays. Different assay formats will be covered (e.g., allele and target specific primer extension (ASPE/TSPE), the oligo ligation assay (OLA), and ligation-dependent amplification (LDA). The attendees will gain knowledge about which application is best suited for their specific needs and how to troubleshoot assays. They will also receive tips on probe and primer design and advice on buffers and consumables.

Available Courses

Instrument & Software Training Course (1-Day Training)

Training courses will be planned & organized if at least 4 participants sign up for a specific training.

Catalog Number	Instruments	List Price (€)
CN-0248-01	MAGPIX®	EUR 960
CN-0211-01	Luminex® 200™	EUR 960
CN-0311-01	FLEXMAP 3D®	EUR 960
CN-0504-01	xMAP INTELLIFLEX®	EUR 960

Fundamentals of xMAP® Proteomic Assays

Catalog Number	Instruments*	List Price (€)
CN-0488-01	Luminex® 200™, MAGPIX®, FLEXMAP 3D®, or xMAP INTELLIFLEX®	EUR 2400

Fundamentals of xMAP® Nucleic Acid Assays

Catalog Number	Instruments*	List Price (€)
CN-0489-01	Luminex® 200™, MAGPIX®, FLEXMAP 3D®, or xMAP INTELLIFLEX®	EUR 2400

Advanced Applications Custom Training Course Classroom

Catalog Number	Instruments*	List Price (€)
CN-0068-01	Luminex® 200™, MAGPIX®, FLEXMAP 3D®, or xMAP INTELLIFLEX®	On Request

Luminex advises making your travel arrangements after receiving the training confirmation. Academic discount applies.

*Participants may select from any of the listed platforms.

Contact Information

For training requests: europa@luminexcorp.com

For support: support@luminexcorp.com

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To schedule your session, please visit info.luminexcorp.com/luminex-learning-eu

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luminexcorp.com

HEADQUARTERS

UNITED STATES

+1 512 219 8020

info@luminexcorp.com

EUROPE

+31 73 800 1900

europa@luminexcorp.com

CANADA

+1 416 593 4323

info@luminexcorp.com

CHINA

+86 21 8036 9888

info@luminexcorp.com

JAPAN

+81 3 5545 7440

info@luminexcorp.com

FL534402