

MicroBeta**N020-9647****4 Days****Tuition \$2000***

The training will provide the participant with the knowledge necessary to run the system and how to evaluate the results. Training is hands-on, but also includes some theory and introduction to the future developments of various applications.

Training is done by the appropriate product manager, specialists, application support laboratory personnel and other competent persons.

Prerequisites

Customers who have the system in use and have discussed their training needs with local PKI LAS specialists. The participant must be familiar with the system and its applications.

Lectures and Labs

- Basic principles of liquid scintillation counting
 - The scintillation process
 - Detector design
 - Normalization on MicroBeta®
 - Quench and quench correction
- Standardization on MicroBeta
 - Dual label counting
- Crosstalk
 - Types of crosstalk
 - Typical crosstalk examples
- Liquid scintillation counting in MicroBeta
 - Scintillation cocktail
 - Microplates
 - Tubes
- Filtermats
 - Filter plates
 - ScintiPlate
 - Tissue culture plates
- Luminescence Counting
 - Isoplate options
 - Scintillation Proximity Assay
 - ParaLux Count Mode
- Practical Sessions
 - Tritium normalization
 - Luminescence normalization
 - C-14 standardization
 - Filtermat with MultiLex
 - ScintiPlate & FlashPlate measurement

*(tuition fee includes accommodations for 5 nights)

Please visit www.perkinelmer.com/service for registration options and cancellation/refund policies.

QUANTULUS**N020-9648****5 Days****Tuition \$2500***

The training will provide the participant with the knowledge necessary to run the system and how to evaluate the results. Training is hands-on, but includes also some theory and introduction to the future developments of various applications.

Training is done by the appropriate product manager, specialists, application support laboratory personnel and other competent persons.

Prerequisites

Customers who have the system in use and have discussed their training needs with local PKI LAS specialists. The participant must be familiar with the system and its applications.

Lectures and Labs

- Basic liquid scintillation theory
- Solvents, fluors, cocktails, sample preparation
- Ultra-low level counting, sources of background, background reduction methods
- Counting room requirements
- Data acquisition software
- Multi-channel analysis, energy scale, QUANTULUS™ MCA control
- Spectrum analysis software
- Quench, chemical, and color,
- Quench indices, correction
- Quench curve setup
- Counting statistics, stability verification
- Counting modes
- Portable LSC and luminometer
- H-3 counting in water, limit of detection, enrichment
- Coincidence monitoring
- C-14 dating in benzene and in carbon dioxide
- Ionization quenching
- Pulse shape analysis, alpha/beta separation
- Quality control
- Energy resolution, counting efficiency
- Remote control of instrument
- Radon, Radium and Uranium in drinking water
- Information in WWW
- Troubleshooting, maintenance
- Data transfer by email
- Cerenkov counting, Sr-90/Y-90

*(tuition fee includes accommodations for 6 nights)

Please visit www.perkinelmer.com/service for registration options and cancellation/refund policies.

WIZARD**N020-9649****5 Days****Tuition \$2500***

The training will provide the participant with the knowledge necessary to run the system and how to evaluate the results. Training is hands-on, but also includes some theory and introduction to the future developments of various applications.

Training is done by the appropriate product manager, specialists, application support laboratory personnel and other competent persons.

Prerequisite

Customers who have the system in use and who have discussed their training needs with local PKI LAS specialists. The participant must be familiar with the system and its applications

Lectures and Labs

- Basic gamma counting theory
- WIZARD® gamma counter technology
- Sources of background, background reduction methods
- Multi-channel analysis
- CPM Assay
- Normalization
- Protocol definition
- Operation with internal RIACalc WIZ software
- Radioimmunoassay (RIA)
- Ratio Assay
- Operation with external MultiCalc® software
- Counting statistics, stability verification
- Customer applications and sample counting
- Dual label counting, multi-label counting
- Quality Control
- Manual operation
- Troubleshooting, maintenance
- Update options
- Portable LC and luminometer
- Information in WWW
- Massive data transfer by email

*(fee includes accommodations for 6 nights)

Please visit www.perkinelmer.com/service for registration options and cancellation/refund policies.