

Services for scintillation and gamma counting

LSC Training – User – Advanced - Administrator

User Training

This training concentrates on the use and care of the liquid scintillation counter.

- Isotopes – what they are and why we use them
- Isotopes in common use
- Liquid scintillation counting – what it is and how does it work
- How the liquid scintillation counter works
- How scintillation cocktail works
- Basic sample preparation
- Navigating the printout
- Introduction to CPM, DPM and quench
- Practical training on the liquid scintillation counter
- Safety - general

Advanced Training (additional to User training)

This training goes into detail on quench and sample preparation

- Vial and cocktail selection
- Sample preparation
- Quench in liquid scintillation counting
- Quench correction techniques
- Practical training including protocol design and quench curve installation
- Safety

Administrator Training (addition to Advanced training)

This training assists experimental design and performance issues.

- Manufacture of quench standard sets
- Choosing the best quench correction method
- Instrument Performance Assessment
- Background in liquid scintillation counting
- Statistics in liquid scintillation counting
- Validation of the liquid scintillation counter
- Figure of Merit
- Trouble shooting guides
- Safety