

Course Description:

This three day hands-on course focuses on methods for developing high definition immunoassays for use on the Singulex Erenna® Immunoassay system. Singulex expert assay developers provide detailed instruction on methods to develop and optimize high-sensitivity, high-precision assays, including tips and tricks for long term success. The goal of this training is to enable successful development of assays using Singulex Assay Development kits for application specific needs in either a Microparticle or Plate based assay format.

Training is available at the Singulex training facility in Alameda, CA or at the customer site.

Who Should Attend:

This course is designed for new or current Singulex customers interested in becoming versed in the development of high-sensitivity, high-precision Singulex immunoassays. At the end of the training, each attendee will receive a certificate indicating they have successfully completed a course in Singulex assay development.

Topics Covered:

Capture and Detection Antibody Labeling

Assay Development Matrix Optimization

Assay Workflow Optimization

Included in Training:

Erenna Immunoassay Development Buffer Kit (PN 03-0078-XX)

Erenna Detection Antibody Labeling Kit (PN 03-0076-XX)

Erenna Capture Antibody Labeling Kit (03-0077-XX)

Functional Antibody Pair

Derivatized Control Antibody Set

Lunch each day of course

Course outline:**Day 1:**

- Review of assay development process and overview of procedures (classroom)
- Activation of capture and detection antibodies (laboratory)
- Fluorescent labeling of detection antibodies (laboratory)
- Coating of capture antibodies to Singulex Microparticles (laboratory)

Day 2:

- Review of Assay Development Matrix (classroom)
- Matrix of Capture/Detection Antibody per well (laboratory)
- Assay Workflow, including recommended wash protocols (laboratory)

Day 3:

- Data review (laboratory and classroom)
- Review of alternative assay development procedures (classroom)
- Q&A (classroom)

Training Course	Part Number
Sgx Assay Development Training Course – at Singulex Training Facility	96-0041
Field Sgx Assay Development Training course – at Customer Site	96-0063

REQUIRED PARTS AND TOOLS (for Training at Customer Site)

- Erenna Immunoassay System
- De-ionized or distilled water
- Pipettes capable of transferring 5 µL- 5 mL
- Micro-centrifuge tubes
- Centrifuge and swinging buckets (capable of holding 15 mL conical) that can spin at 3900 r.c.f.
- Spectrophotometer (capable of A280 and A650)
- Bench top vortex
- Bench top centrifuge (capable of 12,000 rpm)
- Magnetic bead separator
- Rotisserie rotator
- 50 mL tubes
- 15 mL tubes

Singulex®

Unless otherwise noted, Singulex products are for research use only and not intended for diagnostic use.