

**San Bernardino County Sheriff's Department  
Scientific Investigations Division**

**INTOXIMETER INTOX EC/IR II OPERATOR TRAINING 4 Hours**

**Course Purpose:** The purpose of this course is to train members of Law Enforcement Agencies in San Bernardino County who may be called upon to operate the breath testing instrument in the performance of his or her duties in the operation of the Intoximeter Intox EC/IR II instrument. This course does not provide POST credit. The training is either provided at Scientific Investigations Division or at the law enforcement facility.

**Learning Outcomes:** Graduates of this course will be able to conduct breath alcohol test using an evidential Intox EC/IR II breath alcohol instrument.

**Instructor Qualifications:** Per the California Code of Regulations Title 17 1221.2(a)(4)(A), the course instructor must be a forensic alcohol analyst who has successfully completed the breath instrument training program at San Bernardino County Sheriff's Department Scientific Investigation Division and has at least six months of practical experience with the instrument.

- I. INTRODUCTION**
  - a. Registration and introduction
  - b. Course objectives and overview
  
- II. VALUE AND PURPOSE OF FORENSIC ALCOHOL TESTING**
  - a. Drinking and driving
  - b. Properties of Ethanol
  - c. Detailed arrest report
  - d. Impairment
  - e. Blood/Breath tests and blood alcohol kits
  
- III. ALCOHOL IN THE HUMAN BODY**
  - a. Absorption
  - b. Distribution
  - c. Metabolism
  - d. Elimination
  
- IV. BREATH ALCOHOL IN THE HUMAN BODY**
  - a. Respiratory system
  - b. Alveolar air
  - c. Partition ratio
  
- V. ALCOHOL REGULATIONS**
  - a. Title 17
  - b. Operator training
  - c. Breath samples
  - d. Observation of subject
  - e. Mouth alcohol

**San Bernardino County Sheriff's Department  
Scientific Investigations Division**

**INTOXIMETER INTOX EC/IR II OPERATOR TRAINING 4 Hours**

**VI. INTOXIMETER EC/IR II USE**

- a. Instrument
- b. Air blank test
- c. Breath requirements
- d. Subject test – Precautionary checklist
- e. Ending a test
- f. Printout
- g. Possible error messages
- h. Good tests versus bad tests

**VII. DEMONSTRATION**

- a. Use of the Intox EC/IR II either by video or the instructor

**Assessment:** At the end of the lecture, the student completes the following assessments and gives them to the instructor:

- I. A subject breath alcohol test either on themselves or another student. Proof of this assessment is the "Subject Test" instrument printout attached to an Intox EC/IR II Precautionary Checklist.
- II. A True/False written test with a passing score of 80%

**Certificate:** Scientific Investigations Division provides a certificate to the student after successful completion of the assessments. The assessments and training records are stored at Scientific Investigations Division.