

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

**INTOXIMETER ALCO-SENSOR V XL OPERATOR
AND ACCURACY CHECK 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 Alco-Sensor V XL 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 Intoximeter Alco-Sensor V XL 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

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VI. INTOXIMETER ALCO-SENSOR V XL USE

- a. About the instrument
- b. Air blank test
- c. Breath requirements
- d. Intoximeter Alco-Sensor V XL case
- e. Intoximeter Alco-Sensor V XL case contents
- f. Intoximeter Alco-Sensor V XL instrument
- g. Data entry
- h. Subject test – Precautionary checklist
- i. Ending a test
- j. Printout
- k. Display messages

VII. ACCURACY CHECKS

- a. Requirements
- b. Dry gas cylinder and regulator
- c. Changing dry gas cylinder information
- d. Precautionary checklist for the periodic determination of accuracy
- e. Call-out process
- f. Good tests versus bad tests

VIII. DEMONSTRATION

- a. Subject test on the Intoximeter Alco-Sensor V XL either by video or the instructor
- b. Accuracy Verifier test on the Intoximeter Alco-Sensor V XL 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 Intoximeter Alco-Sensor V XL Precautionary Checklist.
- II. An accuracy verifier test. Proof of this assessment is the "Accuracy Check" instrument printout attached to the Intoximeter Alco-Sensor V XL True/False test.
- III. 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.