

Delivery Format

This course is offered as a self-study online. Participants must have a valid e-mail address and a computer with Internet access in order to complete this course for P.A.C.E. credit. The course is best viewed using Internet Explorer 7 (or higher) as the web browser with JavaScript enabled. Free Adobe Reader should be installed on the student's computer.

Locate and Register for the Course

1. Go to www.co.train.org and create an account.
2. Click the "Help" button, then "Test Your Environment", and "Run Test."
Pop-Up blockers should be disabled.
2. Log into www.co.train.org and click "Course Search" and "Search by Course ID"
3. Enter the Course ID: **1021111**
4. On the course details page, click on the "registration" tab.
5. Select the "Credit Type" desired.
6. Click the "Launch" button.

Acknowledgements

Module content is available for free from the American Society for Microbiology (www.asm.org), the Centers for Disease Control and Prevention (www.cdc.gov), and the World Health Organization (www.who.int) websites. Images in the course are available for free from the Public Health Image Library (www.phil.cdc.gov).

Case studies and exam questions were designed by the Colorado Department of Public Health and Environment's Lab Training Program.

Course Contact

CDPHE Training Program manager
8100 Lowry Boulevard Denver, CO 80230
303-692-3294 (Office)
303-344-3008 (FAX)
cdphe.lab@state.co.us

Continuing Education

Participants who successfully complete this course and pass the final exam with a score of 80% will be awarded **12 P.A.C.E.® contact hours.**

The Colorado Department of Public Health and Environment (CDPHE) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.



Student Comments

"I thoroughly enjoyed this course! It is obvious that a lot of work went into this presentation. The pre- and post-testing was informative. It was fun to see how much I didn't know and how much more informed I was in the end."

Kathy Watts
Microbiology Supervisor, Denver District FDA

"I just finished the Anthrax course and it is terrific. The pictures and video clips are fantastic."

Amery Ray, MT (ASCP)
Clinical Microbiologist, Sky Ridge Medical Center

"I think this on-line training is very well presented, and I am finding the information very useful. In fact, I am printing it so I can keep copies at my plate reading bench. Thank you for a job well done."

Gini Mansfield, MT (ASCP)
Quest Diagnostics Microbiology

"This course is superior. It is also very informative and the test is not easy. It does require a lot of thinking and reading of the material."

Carmen Ramirez,
Branch Operations Coordinator,
Investigations Branch, Denver District FDA

"Thanks for this class. It was informative and well organized."

Marlene L. Loos, M.S., MT (ASCP)
Microbiology Supervisor, Sky Ridge Medical Center

Sentinel Lab Detection of Biological Select Agents

Online Course

8 comprehensive modules &
9 interactive case studies

Printable bench guides

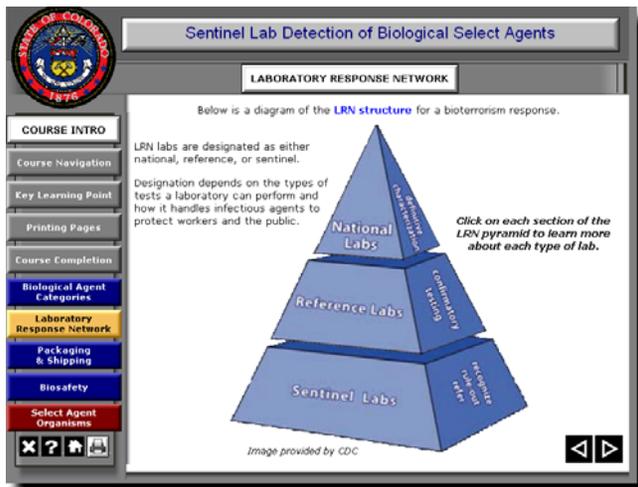


Colorado Department
of Public Health
and Environment

Program Number 187-002-12

Course Description

This intermediate level online preparedness course reviews the sentinel laboratory's role and the Laboratory Response Network (LRN) protocols used in the identification of biological select-agents. The course includes eight organism modules and nine interactive laboratory case studies to test your knowledge of handling these organisms in the sentinel lab. Pre- and post- assessments are available for each module.



Learn about the Laboratory Response Network (LRN).



Watch video clips of true bacterial motility.

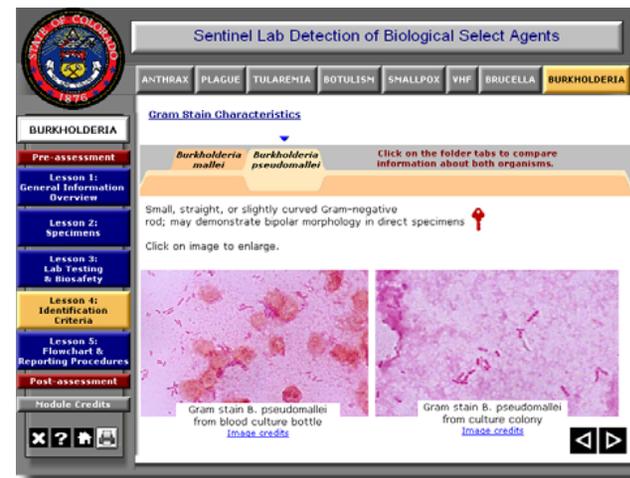
Audience

This course is designed for public health and clinical laboratories, or medical professionals interested in learning more about the laboratory's role in identifying agents of bioterrorism. Basic knowledge of lab testing, biosafety principles and packaging and shipping is required prior to taking this course.

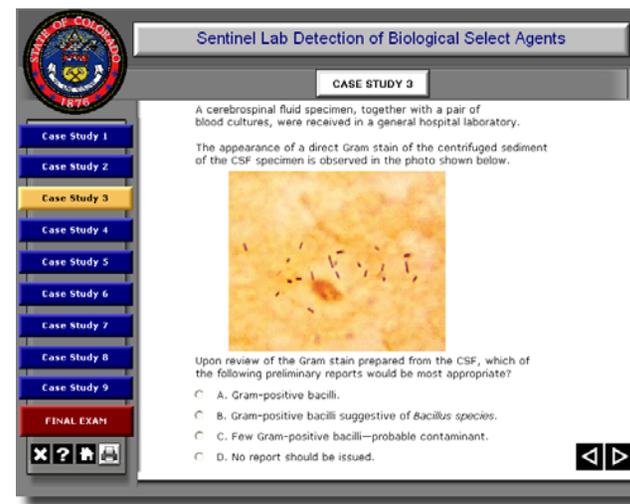
Objectives

Upon completion of this course the participant will be able to:

- ★ Describe the LRN lab protocols and distinguishing characteristics for the rule-out or referral for confirmatory testing of *Bacillus anthracis*, *Yersinia pestis*, *Francisella tularensis*, *Brucella species*, and *Burkholderia species*.
- ★ Identify acceptable patient specimens for the sentinel lab detection of the five organisms above.
- ★ Demonstrate the ability to communicate the proper report to the physician when a specimen is referred for confirmatory testing.
- ★ Demonstrate a basic understanding of the state public health laboratory's confirmatory testing and turnaround times.
- ★ Explain the sentinel lab's role with regard to testing for botulism, smallpox or viral hemorrhagic fever causative agents.



Compare gram stain images for organism identification.



Test your knowledge with real-life laboratory case studies.