

Thank you for taking this voluntary survey to help us understand how well the Basic Molecular Biology eLearning Courses (Basic Science, Laboratory Practice, Nucleic Acid Extraction, PCR and Real Time PCR) produced by the Division of Laboratory Systems, Centers for Disease Control and Prevention have been serving the needs of our learners. The feedback you provide will also inform updates to these courses and future course development.

Survey questions will take approximately 5 minutes to complete. Your responses will be anonymous and no unique identifying information will be sought or kept. The feedback we receive will be used by our programs in aggregate only.

Instructions

The survey contains the following two questions for each course.

1. To what extent did you apply the course knowledge and/or skills to your personal or facility's work practices? *Please respond by clicking on the button beside the option that best reflects your opinion.*
2. Please share examples, challenges or comments related to how you may have applied the course information to your personal or facility's work practices.

Please click "next" to begin the survey.

Public reporting burden of this collection of information is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-1050).

Learning Objectives

**Learning Objectives for the courses are provided for your reference.
Please click "Next" at the bottom of the page to proceed to the survey questions.**

Basic Molecular Biology: Basic Science

- Identify techniques in molecular diagnostics
- Identify the workflow of molecular diagnostics
- Predict the DNA sequences based on base-pairing rules
- Differentiate the characteristics of DNA and RNA
- Identify the process of DNA replication and RNA transcription

Basic Molecular Biology: Laboratory Practice

- Identify the general practices and biohazards associated with performing molecular biology procedures in BSL-2 and BSL-3 laboratories
- Explain the differences of the working areas needed to perform procedures in molecular biology
- Outline the unidirectional workflow used to minimize contamination in the laboratory
- Identify general decontamination practices in the molecular biology laboratory

Basic Molecular Biology: Nucleic Acid Extraction

- Identify the four major factors used in selection of the nucleic acid extraction method
- Outline the three basic steps in nucleic acid extraction
- Explain how to analyze nucleic acid quantity and purity by spectrophotometry and gel electrophoresis
- Identify common problems in nucleic acid extraction

Basic Molecular Biology: PCR and Real Time PCR

- Explain the basic steps involved in PCR
- Identify the components of PCR, reverse transcription PCR, and PCR product analysis Recognize the characteristics of real-time PCR
- Identify the techniques used to detect products in real-time PCR
- Differentiate the nucleic acid quantification processes used in real-time PCR
- Explain the roles of PCR controls

Learner Feedback Survey

* 1. To what extent have you applied the knowledge and/or skills presented in the course to your personal or facility's work practices?

Please select the option that best describes how you used the course information.

If you did not complete the course, select "I did not complete this course."

	I recommended or initiated changes to my personal or my facility's laboratory practices	I reviewed my personal or my facility's laboratory's practices to determine if they are up to date	I improved my awareness or understanding of this topic	This course did not improve my understanding or provide information relevant to my work	I did not complete this course
Basic Molecular Biology: Basic Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Basic Molecular Biology: Laboratory Practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Basic Molecular Biology: Nucleic Acid Extraction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Basic Molecular Biology: PCR and Real Time PCR	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. Please share examples, challenges or comments related to how you may have applied the course knowledge and/or skills to your personal or facility's work practices:

Basic Molecular Biology:
Basic Science

Basic Molecular Biology:
Laboratory Practice

Basic Molecular Biology:
Nucleic Acid Extraction

Basic Molecular Biology:
PCR or Real Time PCR

Thank You

We appreciate your feedback - thank you for your time.

When you click "done" you will exit the survey.