



In-Training Evaluation Report – Genetic and Genomic Diagnostic Specialty

NAME: Last Name _____ First Name _____

Date Training Started: _____ Full Time Part time

Training Stage: **Foundations of Discipline** Unit: **General Genetics Concepts 2**

Unit Start Date: _____ Unit End Date: _____

Training Site: _____ Supervisor: _____

Learning objectives associated with this unit:	Below expectations	Meets expectations	Exceeds expectations
ME 1.3 Recognize and explain the role of gonadal and somatic mosaicism, variable penetrance, variable expressivity, <i>de novo</i> inheritance			
ME 1.3 Apply general linkage concepts to assess carrier/disease risk in an individual			
ME 2.2 Appropriately interpret data from PCR, repeat-primed PCR and Southern blot testing for repeat expansions including methylation and size mosaicism			
ME 2.2 Appropriately interpret microsatellite fragment size/pattern from an identity test			
ME 3.1 Describe different methods for DNA and RNA extraction, their advantages, limitations and clinical applications			
ME 3.1 Describe different nucleic acid quantification methods, their advantages, limitations, applications, and quality metrics			
ME 3.1 Demonstrate knowledge of the variables that affect PCR by being able to troubleshoot a reaction			
ME 3.4 Perform all laboratory and analytical steps of the procedure to obtain DNA or RNA of suitable quality			
ME 3.4 Perform all laboratory and analytical steps of the procedure for determining identity or relationship between specimens			
ME 3.4 Perform all laboratory and analytical steps of the procedure for repeat expansion testing			

Longitudinal Competencies:	Never	Rarely	Sometimes	Usually	Always
ME 1.3 Apply knowledge of the main clinical features of genetic disorders in the context of choice of testing procedure, result interpretation and report writing					
ME 1.6 Demonstrate insight into limits of expertise and seek consultation as necessary					
ME 2.1 Prioritize specimens and testing based on clinical indication and impact on medical management					

ME 2.2 Select ancillary tests in a resource-effective and ethical manner that balances costs with potential utility of results					
COM 4.1 Prepare clear, concise, comprehensive, and timely written reports for genetic tests that incorporate personal and family history and results from other relevant testing in answering the clinical question					
COL 1.2 Discuss trouble-shooting issues with colleagues in the genetic laboratory including laboratory members					
COL 1.2 Work effectively with laboratory technologists and laboratory assistants, directing their assistance as appropriate					
COL 2.1 Respond to requests and feedback in a respectful and timely manner					
L 1.1 Actively participates in quality control, quality assurance, and quality improvement initiatives					
L 3.1 Review quality control data, and take appropriate action for deficiency follow-up, including possible sample mix-up					
HA 1.3 Understand the clinical implications of incidental findings, approaches to minimize the chance of finding them, and policies for reporting					
S 1.2 Identify opportunities for learning and improvement by regularly reflecting on and assessing personal performance					
S 2.4 Participate in available learning activities					
P 1.2 Demonstrate a commitment to excellence in all aspects of laboratory practice					
P 3.1 Adhere to the relevant codes, policies, standards, and laws governing laboratory practice including accreditation, standard operating procedures, training and competency, safety, and privacy					

Technical and Interpretative requirements have been completed for this unit Yes No

If no, justify in the section below.

Summarize the trainee’s performance for this unit and formulate recommendations for future improvement

Name/Signature of evaluator(s) _____

Date _____

Name/Signature of Program Director _____

This is to attest that I have read this document

Signature of Trainee _____