

Seattle Pacific University

Biotechnology Laboratory Skill Competency Form

This form is to confirm that _____ has demonstrated competency in the following biotechnology laboratory skill:

Category: Genetics & Molecular Biology

Specific Skill: Restriction mapping

Description: The construction of an accurate map indicating where restriction endonucleases cut a cloned DNA molecule is essential for most subsequent manipulations of that DNA. Restriction mapping involves the digestion of a given piece of DNA with a series of restriction enzymes and the subsequent determination of the size and the order of the cut DNA fragments via agarose gel electrophoresis.

Student's description of the purpose, the specific materials and methodologies used, a statement of typical results (with figures, where possible) and a discussion of potential pitfalls/sources of error must be attached to this page as evidence of skill competency.

Instructor's Evaluation of Student's techniques and Equipment Proficiency:

Note: This form should be considered valid only when included as part of a portfolio that demonstrates the direct application and analysis of the specific skill. Photocopies of this form are not valid.

Student Signature

Date

Supervisor Signature

Date