

Introduction to PepDriver

The operation of the Liberty is controlled through the PepDriver software package. The Liberty includes an external computer controller (either a laptop or desktop Windows PC) for running PepDriver. This computer is connected to the Liberty and the Discover through an ethernet connection.

PepDriver Terminology

Throughout this manual, specific terms will be used to describe the various functions within PepDriver.

- **Microwave Method:** The specific parameters used in a Microwave step within a cycle. Microwave Methods can be created or modified using the Microwave Editor (p. 25).
- **Cycle:** The specific steps used for each residue within a given sequence. Cycles can be created or modified using the Cycle Editor (p. 28).
- **Sequence:** The specific peptide to be synthesized in a given method. Sequences can be created or modified using the Sequence Editor (p. 32).
- **Method:** The specific parameters used to synthesize a peptide. For each method, a sequence is selected, and then parameters (individual coupling cycles for each residue, C-terminus type, final deprotection, etc.) are also selected as part of the method. Methods can be created or modified using the Method Editor (p. 36).
- **Run:** A specific instance of a method being loaded and started in PepDriver. A Run History file (p. 56) is recorded for each run.

CAUTION

PepDriver is designed to operate in Windows XP using default display conditions. Increasing the window font size (from the Display Properties window in Windows XP) to Large Fonts or Extra Large Fonts will cause PepDriver to display improperly and may impact the operation of PepDriver.