

5.2 Motor Positioning Guidelines



When setting up the Sample Tray and Injection Inlet positions the arrow keys act as a directional input for axis movement (Left / Right arrow keys for Left / Right movement and the Up / Down arrow keys for Front / Rear movement). This movement is achieved when the operator "**taps**" or pushes a directional arrow key momentarily. If the movement is not "fine" enough, the step rate may be changed from "Continuous" to "Jog", and the number of steps per movement may be changed.

To access this menu, from the "Target Coordinate Setup" menu, move the head to a target and then press the "Mode" key. The "Select:" menu comes up, from here, the type of movement, either Jog or Continuous may be set, also the number of steps per movement. Changes are made by pressing the "Mode" key or the arrow keys. The default step rate is factory set at 10. To exit the menu press the Stop key.

5.3 Target Coordinate Setup



Press the "Prog" key and select "Cobra Setup." Select the "Configuration" menu line and press Enter. Scroll to the "Sample 1" line and press Enter. Press Enter and the syringe arm will move slightly to the left and out. The arrow keys are now used to move the syringe arm over to the center of vial #1. Press either the Left or Right arrow key to move the arm to the approximate center position of the first row of vials. Using the Up or Down arrow key, toggle to the "For/Back" menu line, use the Left or Right arrows to move the arm to the approximate center of vial #1. Toggle to the "Vertical" menu line and with the Right arrow key, lower the syringe arm to just above the vial cap. Install the syringe and make the final adjustments to the needle position. **The needle must be positioned down into the vial to not hit the bottom!.** After the setup is complete write down the number coordinates for future use.

Press the Enter key and the arm will move to home, toggle to the next menu line "Waste", press Enter. The same X-Y-Z coordinates must now be established for the Waste (1 & 2) and for Rinse (1 & 2) and for the injection Inlets A & B. The procedure for these settings is the same as for Sample #1. The only difference is the inlets will require a finer adjustment than the vials. Once all the coordinates have been established install the syringe and recheck the target locations.

6.0 Method Definition

6.1 Method Editing

The Cobra L/S allows 10 methods to be saved into memory. To edit a method, press the "Prog" key, select "Method Edit", enter the method number and press Enter. The next menu will allow entry into the selected Method. Press the Enter key and the parameters will be displayed. The Method parameters will then cycle through with each touch of the Enter key or Up\Down arrow, allowing changes to be made. The method editing may be exited at any time by pressing "Prog" or the Hold\Stop key. If the Enter key has been pressed changes will automatically be saved. If an invalid entry is made, the system will not save the entry. Refer to the following parameter list for values for each parameter. The parameter values are in brackets [xxx].