

Programming and Functionality

SofTouch™ Navigation and Programming



Pipetting Mode (P):

Pipetting is the SofTouch default operating mode. The Adjustment buttons can be used for quick changes to the desired dispense volume. The mixing option can be selected by pressing the Mixing Button.

- Step 1: Set the desired volume
- Step 2: Press the Start Button to aspirate sample into the tip
- Step 3: Press the Start button to dispense sample followed by a blow-out

Reverse Pipetting Mode (rP):

Reverse Pipetting minimizes the effects of surface tension and vapor pressure for highly viscous and volatile samples. For these sample types Reverse Pipetting can improve accuracy and precision.

- Step 1: Set the desired volume
- Step 2: Press the Start Button to aspirate more than the required sample volume
- Step 3: Press the Start Button to dispense the required sample
- Step 4: Press the Start Button twice to discard the excess sample or hold the Start Button for one second to skip the discard step

Programming and Functionality

Repeat Dispensing Mode (d):

Repeat Dispensing is used to speed up repetitive dispenses of the same volume. The pipette aspirates sample once and performs several dispenses.

- Step 1: Set the desired volume and number of dispenses
- Step 2: Press the Start Button to aspirate enough sample for all dispenses
- Step 3: Press the Start Button to prepare the pipette
- Step 4: Press the Start Button to dispense the first aliquot
- Step 5: Repeat step 4 for the remaining dispenses
- Step 6: Press the Start Button to blow out the remaining sample

Diluting Mode (dd):

Diluting mode aspirates two different samples, separated by an air gap, into the same pipette tip. This minimizes contamination of the second sample and increases throughput. The mixing option can be selected by pressing the Mixing Button.

- Step 1: Set the desired volume for sample one and sample two
- Step 2: Press the Start Button to aspirate the first sample
- Step 3: Remove the tip from the sample and press the Start Button to draw an air gap
- Step 4: Press the Start Button to aspirate the second sample
- Step 5: Finally press the Start Button to dispense the samples and the air gap

Sequence Dispense Mode (Sd):

Sequence Dispensing is useful for repetitive dispensing applications that involve multiple different dispense volumes.

- Step 1: Set the desired series of volumes to dispense
- Step 2: Press the Start Button to aspirate enough sample for all dispenses
- Step 3: Press the Start Button to prepare the pipette
- Step 4: Press the Start Button to dispense the first aliquot
- Step 5: Repeat step 4 for the remaining dispenses
- Step 6: Press the Start Button to blow out the remaining sample

Mixing Mode (*):

Mixing mode is available when using Pipetting and Diluting Modes. This allows for the sample to be completely mixed following an addition or dilution.

- Step 1: Use the Mode Button to select either Pipetting or Diluting
- Step 2: Press the Mixing Button. The screen should display P* or dd*
- Step 3: Perform the pipetting or diluting operation as described previously
- Step 4: To mix press and hold the Start Button with the tip in the sample
- Step 5: To blow out remaining sample in the tip press the Start Button twice.