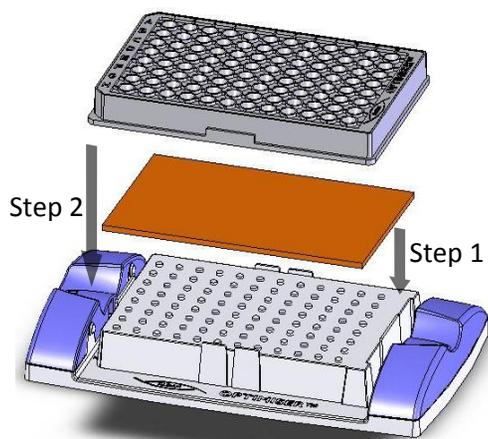


# OPTIMISER™ Quick Reference

## Assembly



Check the Orientation of the holder and plate before assembly

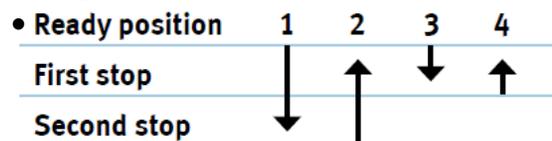
## Sample & Reagent Preparation

Please ensure all solutions are free of particulates

- For serum or plasma: Centrifuge at 13,000 g for 10 minutes prior to the test.

## Pipetting Guideline

- The pipette tip must make contact with the well surface for proper dispensing.
- Use the “Reverse Pipetting” technique for adding reagents into the well to avoid air bubble.



1. Press the operating button to the second stop.
2. Dip the tip into the solution to a depth of 1 cm, and slowly release the operating button. Withdraw the tip from the liquid, touching it against the edge of the reservoir to remove excess liquid.
3. Dispense the liquid into the receiving well by gently pressing the operating button to the first stop. Hold the button in this position. **Some liquid will remain in the tip, and this should not be dispensed.**

See the *Optimiser™ Technology* page on Siloam's website for instructional videos on pipetting techniques.

## Sample & Reagent Loading

- Please use a V-shape 96-well plate (or other reservoirs) to prepare the solutions and transfer to the Optimiser™ using a **multi-channel pipette**.
- Please ensure that all samples/reagents (for a given step in assay sequence) are loaded within **1 minute time span**.

## Detection

- Please wipe off all the residues on the bottom of the plate before reading with Kimwipe® or other similar tissue.
- **Reader setup—check settings for:**
  - a) Wavelength
  - b) Plate type
  - c) Probe direction
  - d) Gain/Sensitivity



- **The current version of the Optimiser™ can be read using fluorescence mode only.**
- The substrate is still present in the microchannel and signal is generated from substrate volume in the microchannel.

