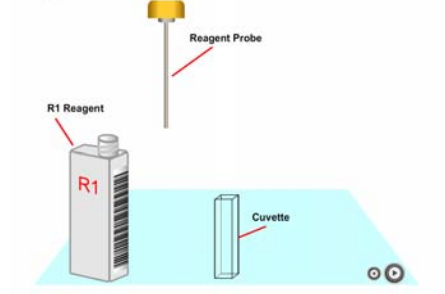
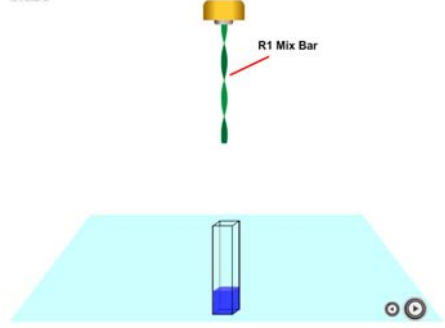
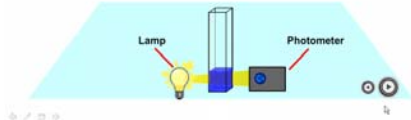
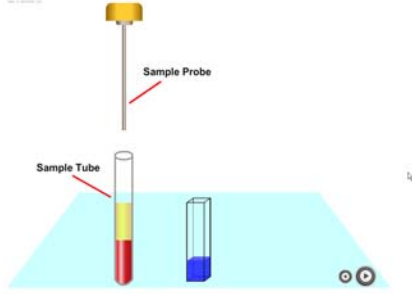
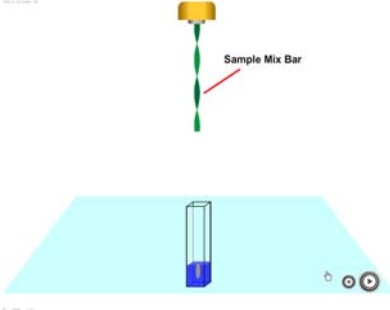
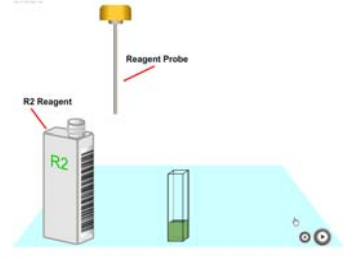
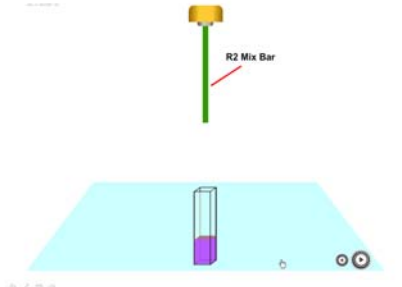
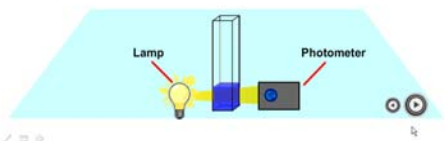
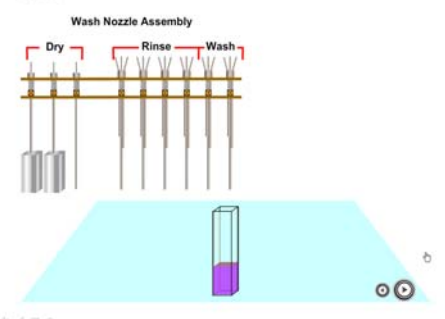


## AU480 Sample Processing Overview

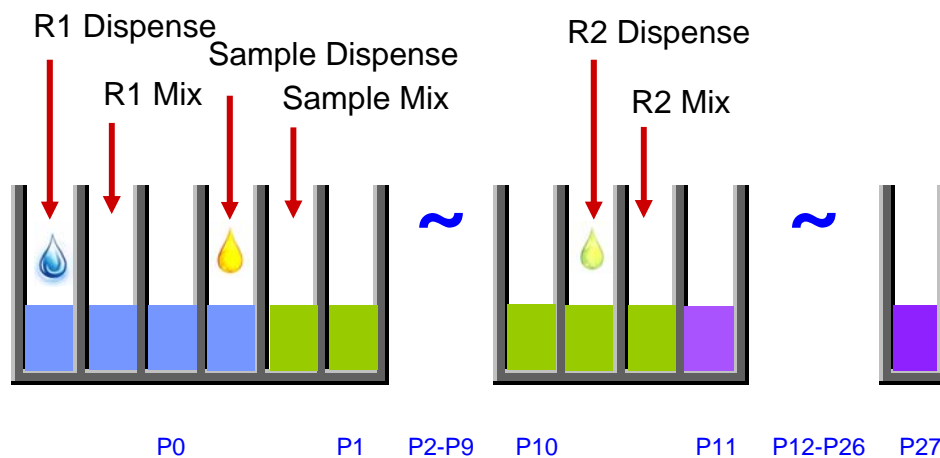
Step	Action	
1	A sample rack is placed on the rack feeder unit by the operator.	
2	The operator presses Start.	
3	The rack is moved to the barcode reader where sample programming is determined.	
4	The rack is moved to the sample aspiration position.	
5	The reagent probe, working with the reagent syringe, delivers R1 reagent into a cuvette.	 <p>The diagram illustrates the reagent delivery step. A reagent syringe (labeled 'R1 Reagent') is connected to a 'Reagent Probe' which is positioned above a 'Cuvette'. The probe is shown dispensing a small amount of reagent into the cuvette.</p>
6	An R1 mix bar mixes the reagent in the cuvette.	 <p>The diagram illustrates the mixing step. An 'R1 Mix Bar' is shown positioned above the 'Cuvette'. The bar is shown mixing the reagent in the cuvette, resulting in a blue liquid at the bottom of the cuvette.</p>

Step	Action	
7	The photometer starts taking readings.	
8	The sample probe, working with the sample syringe, aspirates and dispenses sample into the cuvette in the cuvette wheel.	
9	A sample mix bar mixes the sample and the reagent. The photometer continues to take readings.	
10	If required, the reagent probe, working with the reagent syringe, delivers the R2 reagent into the cuvette.	

Step	Action	
11	An R2 mix bar mixes the reaction mixture.	 <p>The diagram shows a green R2 Mix Bar with a yellow tip positioned above a cuvette containing a purple liquid. The bar is shown in a mixing position.</p>
12	The photometer continues to take reaction readings.	 <p>The diagram shows a cuvette with a purple liquid being held in a holder. A yellow lamp is positioned to the left, and a photometer is to the right, both directed at the cuvette to measure the reaction.</p>
13	The cuvette is washed, rinsed and dried by the wash nozzle probes using water/wash solution.	 <p>The diagram shows a 'Wash Nozzle Assembly' with three stages: 'Dry', 'Rinse', and 'Wash'. Each stage has multiple nozzles directed at a cuvette. The cuvette is shown with a purple liquid inside.</p>
14	When the sample is no longer needed the rack is moved to the rack collection area.	

Note: A priority sample may be processed using the STAT table at any time during routine sample processing. This allows the priority sample to be processed before samples in the rack feeder unit.

## AU480 Optical Density Read Points\*



- R1 Dispensing
- R1 Mixing
- P0 (first cuvette OD read point, R1 reagent only)
- Sample Dispensing
- Sample Mixing
- P1 (OD read point sample + R1 reagent)
- P2-P9 (OD read point intervals, 18 seconds)
- P10 (last OD read of R1 + sample before the addition of R2)
- R2 Dispensing
- R2 Mixing
- P11 (first OD read point with R1 + sample + R2)
- P12-P26
- P27 (final read point)

\*All tests performed in a cuvette on the AU480 will have a total of 28 read points taken (represented by P0 through P27 in the diagram above). The readings that will be used in calculating a result are specific to the particular assay.