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Protocol for AmbiSet 15

1. Sample Preparation

a. Prepare the sample by thoroughly mixing the BioFix Buffer with your reagent of choice.

We recommend mixing your reagent of choice with the BioFix Buffer at a 1:1 ratio, with a maximum total volume per column type listed in the table below.

We do not recommend exceeding1 µg of reagent per 1 µl of BioFix Buffer.

We also recommend adding a carrier protein, such as BSA, at 100 mg/mL to reduce protein loss to surfaces. This is especially important when working with protein concentrations of <100 µg/mL. Make sure to mix gently until clear - do not use if the mixture is foamy or cloudy.

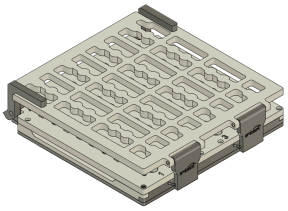
Column Type	Maximum Total Loading Volume (µl) (reagent + BioFix Buffer)	Maximum mass of reagent per column (µg)	Cycle Name	Cycle Duration
AmbiSet 15 	15	7.5	AS15	60 minutes

2. Stabilizer Initialization

a. Press the white button to turn on the Stabilizer.
b. Insert the SD card and press the green button to confirm. Use the red button to visualize different cycle options and use the green button to select a cycle. Once the cycle is confirmed, the Stabilizer will start to initialize. A series of beeps will indicate the chamber is ready for samples.

3. AmbiSet Column Preparation

a. Open the white AmbiSet tray (included in the equipment box and pictured on the right) by unlatching the 2 locks at the front.
b. Place the AmbiSet columns into the tray. Open each column.



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c. Pipette the BioFix Buffer/reagent mixture onto the scaffold at the bottom of each column. Press closed the column lids.
d. Close the lid on the tray and secure it by locking the 2 latches on the front.

4. Run the Stabilization Cycle

a. Confirm the chamber is ready by checking the screen says 'Start Cycle?'.
b. Place the tray into the chamber and close the chamber door, tightening the knobs clockwise.
c. Press the green button to begin the cycle.

5. Sample Storage

- If you are using the samples immediately after stabilization, go to step 6.

a. Place the AmbiSet columns into the supplied 2 mL tubes.
b. Place the assembled column/tubes into the supplied mylar bag (with desiccant).
c. Zip seal the mylar bag shut. Clip seal using the provided closures.
d. The sample can now be stored at ambient temperature.

6. Sample Reconstitution

a. The stabilized sample can be eluted from the column with 100-600 µl using your desired eluent.
b. Incubate at room temperature for ≥30 seconds.
c. Centrifuge the spin column-tube assembly at ≥300 x *g* for 2 minutes.
d. Discard the column.
a. The flow-through now contains your reagent and is ready for use.