



RAZOR® Mk II

LOADING A POUCH

Sample Collecting

Dry Sample (Powders, etc.)

1. Touch the dry swab to the unknown powder.
2. Place the swab into the appropriately labeled vial and break off at break point.
3. Secure the cap on the vial and shake vigorously for 30 sec.

Liquid Sample (Automatic Air Samplers, etc.)

1. Transfer approximately 0.5 mL of liquid to the appropriately labeled vial.
To draw a sample with the transfer pipette, first squeeze and hold the top of the bulb. Insert the tip of the pipette into the liquid and release the bulb to draw sample up to fill line. Transfer the pipette to the vial and squeeze the bulb to empty the sample into the vial.
2. Secure the cap on the water vial and shake vigorously for 30 sec.

Once the raw sample has been prepared, load the sample into the pouch.

Loading the RAZOR Pouch

⚠ CAUTION: In the following procedure, DO NOT push the syringe plunger to force liquid into the pouch. This can fill the pouch with air and may damage the pouch or cause contamination.

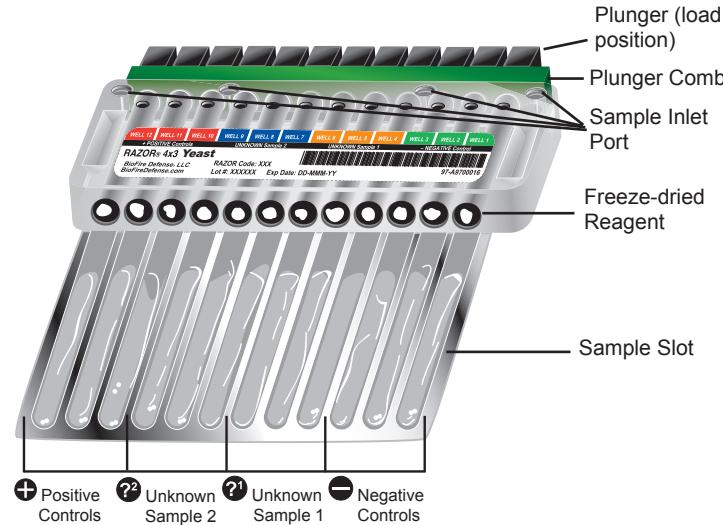
1. Confirm that the foil bag is air tight.
2. Open the foil bag and remove the freeze-dried reagent pouch from the aluminum can.
3. Place the pouch on a flat, clean surface with the inlet ports and label face up. Make sure the plunger comb is in place.
4. Uncap the end of a syringe and insert the tip end into reagent grade water or the sample.
5. Draw reagent grade water or the sample into the syringe until it reaches the mark for the appropriate volumes. Avoid introducing any air into the syringe, which can cause bubbles.
6. Follow the prescribed order below to minimize cross-contamination and user error. Loading instructions are also found on the reagent pouch label.

| Step 1 | Step 2 | Step 3 |
|------------------------------|----------------------------|---|
| – Negative Controls ➔ | ? Unknown Samples ➔ | + Positive / Inhibition Controls |



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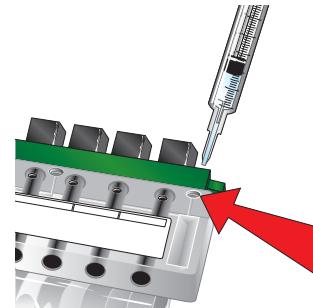
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Example Pouch with Key Parts Labeled

Follow the same procedure for loading the negative controls, the unknown sample, and the positive control:

7. Load a syringe with the correct volume of sample.
 - For the **Negative control inlet port** and the **Positive control inlet port**, use the **Reagent Grade Water** supplied in the reagent kit.
 - For the **Unknown Sample** inlet port use the **Unknown Sample**.
8. Hold the syringe by the syringe body and gently insert the tip into the **correct** inlet port. Push the syringe down until you feel a faint pop and ease in resistance.
9. Allow the syringe to sit in the inlet port for at least 30 sec. to allow the liquid to dispense evenly.



Negative Control Inlet Port

After all of the syringes have emptied into the reagent pouch, confirm that each of the dried reagents are dissolved in the liquid.



If the reagents are dissolving slowly, shake the pouch gently by hand.