

SAMPLE PREPARATION

- 1** Collect and grind a representative corn sample such that $\geq 95\%$ passes through a 20 mesh sieve.



Ground too coarse or too fine may cause inaccurate results

- 2** Carefully weigh out a 25 gram sub-sample and add to container.



TEST PROCEDURE for 25g sample

(more detailed instructions in the Product Insert)

Ensure Incubator has reached 22°C

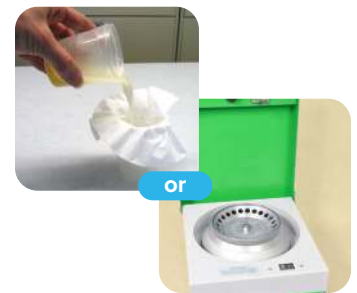
***Note:** acclimation is only required when the ambient temperature is unknown or outside of 20-24°C (68-75°F).



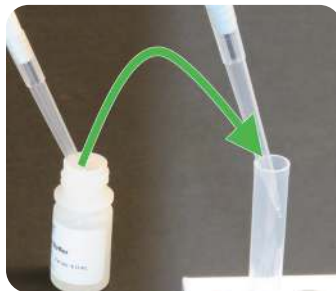
- 3** Add 1 dissolvable pouch of EB17 and 75 mL of distilled, deionized or bottled water and cap tightly.



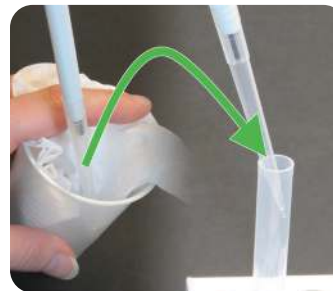
- 4** Immediately shake vigorously to dissolve pouch, then shake an additional 1 minute on mechanical shaker (or by hand for 2 minutes)



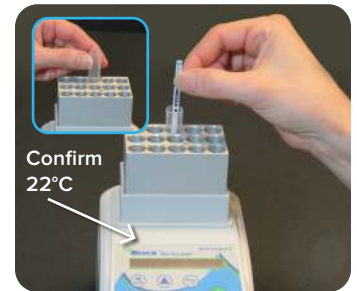
- 5** Filter with approved coffee filter (e.g. BUNBCF100B). Or centrifuge a portion of extract for 30 seconds at 2000 x g (NOT RPM).



- 6** Add 100 µL Buffer to tube.



- 7** Transfer 100 µL of the clarified extract to the tube; stir well with pipette tip.



- 8** Place tube in Incubator and acclimate for 2 min.*; then add QuickTox Strip; wait 4 minutes for results.

QuickScan TEST RESULTS

(Read single strip, multiple strips, or single strip with a QuickComb--more detailed instructions in the QuickScan User Manual)

- 9** Remove strip from tube immediately after 4 minutes. Cut off and discard bottom pad with arrow tape and read promptly. (No drying step!).

- 10** Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu and choose MG1 for Corn. Fumonisin results are reported up to 10 ppm. (Dilution steps will yield quantitative results up to 100 ppm; see Product Insert, Range with Dilution)

- 11** Results Screen will appear when scanning is complete. Enter sample identification data and use buttons to save or print report.