QuickGuide

AT-GLUTEN-O

TotalTarget™ for Gluten
Oats

PREPARATION

0 In a clean vessel with a cover, dilute the Grain Extraction Buffer Concentrate (GEC) 20-fold, using 19 parts distilled/deionized or bottle water and one part GEC o create **1X Grain Extraction Buffer**.

1 Collect and grind a representative oat sample such that ≥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 a hard-walled container with a lid.

TEST PROCEDURE

More detailed instructions in the Product Insert

Ensure Incubator has reached 22°C

Turn on the incubator and set to 22°C for a minimum of 10 minutes before testing.

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

3 Add 75 mL of 1X Grain Extraction Buffer to the 25 gram sub-sample and cap tightly.

4 Immediately shake vigorously for 10 seconds by hand to ensure proper wetting, then shake an additional 1 minute on mechanical shaker (or by hand for 2 minutes).
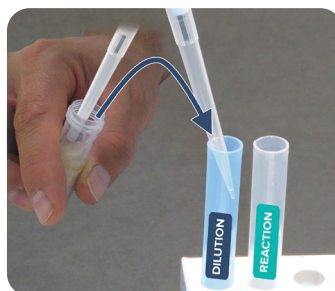
5 Immediately remove a portion of the extract and centrifuge for 30 seconds at 2000 x *g* (NOT RPM).

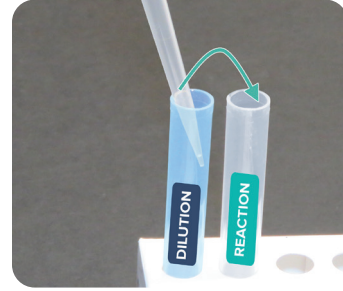**6** To a blue dilution tube, add 200 µL of distilled, deionized or bottled water.

7 Add 100 µL of clarified sample extract to the dilution tube and mix thoroughly with pipette tip.

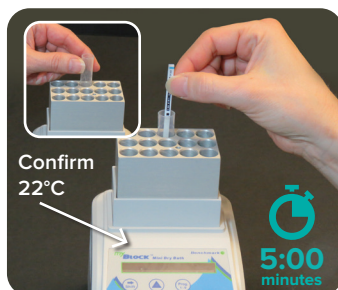**8** With a **new** pipette tip, add 100 µL DB2 Buffer to clean reaction tube.

9 With a **new** pipette tip, transfer 100 µL of the diluted sample extract to the reaction tube and mix thoroughly with pipette tip.

MULTIPLE RESULTS IN SECONDS WITH QUICKSCAN

Read strips and combs from any test family simultaneously--more detailed instructions in the QuickScan User Manual
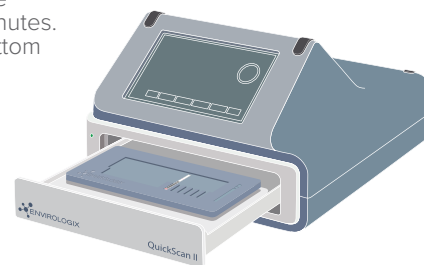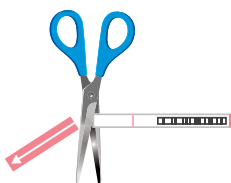
Confirm 22°C

⏱ **5:00** minutes

10 Place reaction tube in Incubator and acclimate for 2 minutes* before adding TotalTarget Gluten Strip; wait **5 minutes** for results.

11 Remove strip from tube immediately after 5 minutes. Cut off and discard bottom pad with arrow tape.

Read promptly by inserting the strip into the QuickScan and clicking "Read Test" on the Main Menu.

QuickScan II

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