

# QUICKSTIX™ KIT FOR QUANTUM BLUE

EXTRACT AND DETECT  
THE PRESENCE OF ACTIVE  
QUANTUM BLUE IN 5 MINUTES



*The most important additive is intelligence*

Revision 14, March 2025





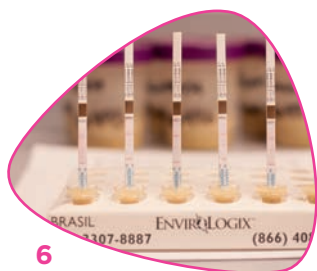
## TEST PROCEDURE



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1. Allow refrigerated Quickstix canisters to come to room temperature before opening. Add 100 mL room temperature tap water to a 150 mL polypropylene container.
2. Add 10g feed pellets. This extracts the enzyme in the pellets in a ten time volume ratio (mL/gram).
3. Cap and shake well for 30 seconds, then allow sample to settle for 30 seconds.
4. Using the fixed-volume pipette provided, remove 0.25 mL extract from the top layer (avoiding particulates). Dispense extract into a reaction vial. To prevent cross-contamination, be cautious with feed and liquids and always use a new 150 mL container, pipette and reaction vial for each sample.
5. Remove the QuickStix Strips to be used. Avoid bending the strips. Reseal the canister immediately. Place the end of the strip with the two arrows into the reaction vial containing 0.25 mL extract. The sample will travel up the strip. Reaction vials will stand up on their own or may be inserted into the cardboard racks provided.
6. Allow the strip to develop for 5 minutes before making final assay interpretations. Positive sample results may become obvious much more quickly.

To retain the strip, cut off and discard the bottom section of the strip covered by the arrow tape.

## INTERPRETING THE RESULTS

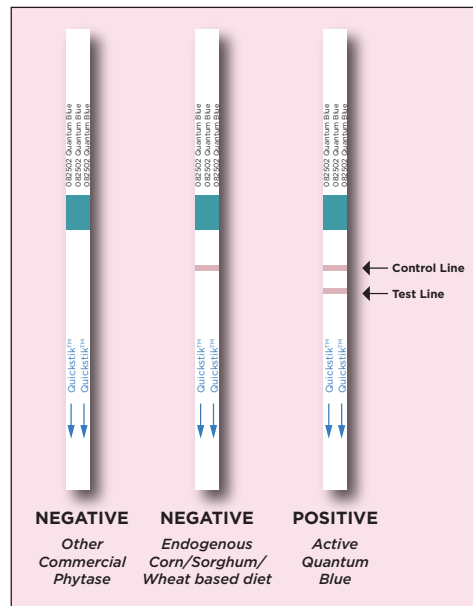
The kit is designed to detect levels of active Quantum Blue in feed samples at 50 FTU (phytase units of activity) per Kg or more.

The Development of the Control Line within 5 minutes indicates that the strip has functioned properly. Any strip that does not develop a Control Line should be discarded, and the sample re-tested using another strip.

If the extract is from a negative feed sample (a sample with no active Quantum Blue), the strip will only show the Control Line.

If the extract is from a sample containing at least 50 FTU/Kg of Quantum Blue, a second line (Test Line) will develop on the membrane strip between the Control Line and the protective arrow tape. The results should be interpreted as positive for the presence of Quantum Blue.

Results from this test are indicative and relate only to the sample(s) tested. This does not guarantee the bulk of the material to be of equal quality.



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## HOW THE TEST WORKS

In order to detect Quantum Blue enzyme with this QuickStix Kit, the sample must first be extracted in tap water to solubilise the protein. Each QuickStix Strip has an absorbent pad at each end. The protective tape with the arrow indicates which end of the strip to insert into the reaction vial. The sample travels up the membrane strip and is absorbed into the larger pad at the top of the strip. The portion of the strip between the protective tape and the absorbent pad at the top of the strip is used to view the reactions as described under "Interpreting the Results."

## KIT STORAGE

QuickStix Strips can be stored at room temperature, or refrigerated for a longer shelf life. Note the shelf life on the kit box for each storage temperature. The kit may be used in field applications; however, prolonged exposure to high temperatures may adversely affect the test results. Do not open the desiccated canister until ready to use the test strips.

**FOR TECHNICAL  
SUPPORT CONTACT  
AB VISTA:**

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## LIMITED WARRANTY

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