

## ABRAXIS® Glyphosate Strip Test for Water

### 1. Intended Use

For the detection of Glyphosate in water.

### 2. Sensitivity

0.5 ppb in matrix

### 3. Materials and Reagents Required

Appropriate size plastic or glass bottles or vials with caps

ABRAXIS® Glyphosate Strip Test (PN 500095 [20T]; PN 500098 [5T])

### 4. Notes and Precautions

This procedure is intended for use with water samples only. Other matrices should be thoroughly validated before use with this procedure.

### 5. Sample Collection and Handling

- 5.1 Water samples should be collected in clean glass or plastic sample containers.
- 5.2 Chlorinated drinking water samples should be tested immediately upon collection, as contact with chlorine will degrade Glyphosate, producing biased low results.
- 5.3 Non-chlorinated samples can be stored refrigerated for up to 1 week. For storage periods greater than 1 week, samples should be stored frozen.
- 5.4 After sample collection, no additional sample preparation is necessary for water samples to be tested using the Glyphosate strip test. Test samples according to the procedure described in the user's guide (section F, Testing of Samples).

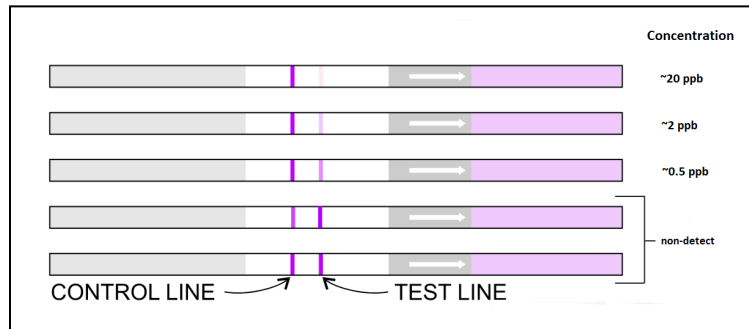
### 6. Evaluation of Results

Sample concentration is determined by comparison of the intensity of the test line to the intensity of the control line on the same test strip. Although control line intensity may vary, a visible control line must be present for results to be considered valid. Test strips with a test line which is darker than or of equal intensity to the control line indicates a result which is below the limit of detection of the test. Test strips with a test line which is lighter than the control line indicates a result which is between 0.5 ppb and 20 ppb. Test strips with a very faint test line or no test line visible indicates a result which is > 20 ppb. Results should be determined within 5-10 minutes after completion of the strip test procedure. Determination made using strips which have dried for more or less than the required time may be inaccurate, as line intensities may vary with drying time.

<u>Control Line</u>	<u>Test Line</u>	<u>Interpretation</u>
No control line present	No test line present	Invalid result
Control line present	Very faint or no test line present	>20 ng/mL (ppb)
Control line present	Moderate intensity test line present	Between 0.5 and 20 ng/mL (ppb)

The appearance of test strips may also be compared to the illustration below to determine approximate sample concentration ranges. Please note that the illustration is intended for the demonstration of test line to control line intensity only. Results should not be determined by comparing the intensity of test lines from test strips to the test line intensity of the illustration, as the overall intensity of test strips may vary slightly

with different lots of reagents. To obtain semi-quantitative results in the range of 0-20 ppb, solutions of known Glyphosate concentration (control solutions) must be tested concurrently with samples. Sample test line intensities can then be compared with control solution test line intensities, yielding approximate sample concentrations. Do not use strips run previously to determine semi-quantitative sample concentrations, as test line intensities may vary once strips are completely dry.



### 7. Performance Data

The ABRAXIS® Glyphosate Strip Test will detect in the range of 0.5 ppb or higher in water. At this level, the test line exhibits moderate intensity. At levels greater than 20 ppb, the test line is faint or not visible.

### 8. Assistance

For ordering or technical assistance contact:

Gold Standard Diagnostics

124 Railroad Drive

Warminster, PA 18974

WEB: [www.abraxiskits.com](http://www.abraxiskits.com)

Phone: (215) 357 3911

Fax: (215) 357 5232

Ordering: [info.abraxiskits@us.goldstandarddiagnostics.com](mailto:info.abraxiskits@us.goldstandarddiagnostics.com)

Technical Support: [support.abraxiskits@us.goldstandarddiagnostics.com](mailto:support.abraxiskits@us.goldstandarddiagnostics.com)

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