



## RapidScan ST5-W Lateral Flow Assay Reader

Validated for multiple food and environmental lateral flow tests

Food or feed manufacturers, grain trading companies and laboratories that use lateral flow devices as a rapid test method need to obtain quick and reliable results for contamination testing.

RapidScan ST5-W Lateral Flow Assay Reader is an accurate, easy to use and highly flexible imaging platform used for lateral flow assay analysis.

The instrument was designed specifically for field and in-process testing applications that require qualitative and quantitative test results.

RapidScan ST5-W is unique in the market due to its flexibility, multiple target analysis and its **compatibility with Gold Standard Diagnostics' allergen, GMO, glyphosate, algal toxins and veterinary lateral flow tests**, providing an integrated solution to customers.

### Key Benefits

- User friendly: no training needed, easy to use
- Semi-quantitative results
- Portable for field testing
- Flexible: multiple target analysis
- Data storage capacity of up to 5000 test results
- Report exporting capability

# RapidScan ST5-W Lateral Flow Assay Reader



- **Ease-of-use:** the reader is easy to set up and operate, featuring an intuitive user interface with a colour touchscreen display.
- **Quantitative results** are obtained within a few minutes. Data can be stored on the reader then exported through a USB port.
- **Applications:** the reader can be used with a wide range of allergen, GMO, glyphosate, algal toxins and veterinary lateral flow tests.

## Allergen testing with RapidScan ST5-W



RapidScan is unique to the market for multiple allergen testing, and compatible with Gold Standard Diagnostics' growing range of allergen lateral flow devices. These rapid tests, with high sensitivity and specificity, include all the necessary material to perform 20 individual analyses per kit, and are validated on food matrices, swabbing and rinse water.

| Article No. | Product Name                         | Article No. | Product Name                      |
|-------------|--------------------------------------|-------------|-----------------------------------|
| HU0030110   | SENSIStrip Almond                    | HU0030122   | SENSIStrip Macadamia nut          |
| HU0030111   | SENSIStrip Beta-Lactoglobulin        | HU0030123   | SENSIStrip Milk Protein           |
| HU0030112   | SENSIStrip Casein                    | HU0030124   | SENSIStrip Molluscs (Tropomyosin) |
| HU0030113   | SENSIStrip Cashew                    | HU0030125   | SENSIStrip Mustard                |
| HU0030114   | SENSIStrip Coconut                   | HU0030126   | SENSIStrip Ovalbumin              |
| HU0030115   | SENSIStrip Crustaceans (Tropomyosin) | HU0030127   | SENSIStrip Brazil nut             |
| HU0030116   | SENSIStrip Egg White                 | HU0030128   | SENSIStrip Peanut                 |
| HU0030117   | SENSIStrip Fish                      | HU0030129   | SENSIStrip Pecan nut              |
| HU0030118   | SENSIStrip Gluten                    | HU0030130   | SENSIStrip Pistachio              |
| HU0030119   | SENSIStrip Hazelnut                  | HU0030131   | SENSIStrip Sesame                 |
| HU0030120   | SENSIStrip Lupin                     | HU0030132   | SENSIStrip Total Soy              |
| HU0030121   | SENSIStrip Lysozyme                  | HU0030133   | SENSIStrip Walnut                 |

## Animal Health testing with RapidScan ST5-W



In industrial livestock production, with a high density of livestock, the emergence of infectious diseases is a major risk, and therefore prevention and control measures are essential. With our ASF strip and RapidScan reader, we provide a quick on-site testing option for African Swine Fever with a result generated in less than 15 min from pig and wild boar blood samples.

| Article No. | Product Name         | Product Description   |
|-------------|----------------------|---|
| 11.ASF.K.42 | INgezim ASFV CROM Ag | Lateral flow assay for the detection of ASFV antigen in porcine blood samples |

## GMO and glyphosate testing with RapidScan ST5-W



GMO rapid testing is especially important for grain traders and elevators, as a primary screening tool for grain lots at reception points.

Food manufacturers can perform GMO screening of raw ingredients like corn, soybean and canola before they are processed into a final product. Seed testing laboratories that provide testing services for bulk grain analysis can also quickly and easily identify the amount of GMO contamination.

Our most requested kits for GMO rapid testing are available on the RapidScan ST5-W reader:

| Article No. | Product Name   | Product Description  |
|-------------|--|--|
| EAID 101    | CP4 EPSPS (RR) Quantitative LFS Kit Soybean & Canola | LFS for CP4EPSPS Testing in Bulk Grain Soybean & Canola using RapidScan (Sensitivity: 0.05% for Soybean & 0.1% for Canola) |
| EAID 102    | CP4 EPSPS (RR) Quantitative LFS Kit I Corn           | LFS for CP4EPSPS Testing in Bulk Grain Corn using RapidScan (Sensitivity: 0.1% for Corn)                                   |
| EAID 103    | Vip3A Quantitative LFS Kit I Corn                    | LFS for Vip3A Testing in Bulk Grain Corn using RapidScan (Sensitivity: 0.2% for Corn)                                      |
| EAID 104    | Cry3Bb Quantitative LFS Kit I Corn                   | LFS for Cry3Bb Testing in Bulk Grain Corn using RapidScan (Sensitivity: 0.5% for Corn)                                     |

LFS Kit Contents: 100 strips (for 100 tests), 100 Sample Vials, 100 Transfer pipettes, Pack Insert & Printed QR Code.

As well as GMO testing, food companies and grain processors can run pesticide (glyphosate) strip tests with RapidScan, to prevent contaminated raw materials from being used in finished food products.

| Article No. | Product Name                   | Product Description  |
|-------------|--------------------------------|----------------------|
| 500095      | Glyphosate, Dipstick, 20 tests | 0.5 - 20 ppb (water) |

## Algal toxins testing with RapidScan ST5-W



For public water systems, lake managers, government agencies, regional testing programmes, communities and individual researchers who require near real-time answers on water safety to protect public health against the threat of algal toxins, our fresh and marine water toxin dipstick tests, usable with RapidScan, provide the best solution.

| Article No.      | Product Name   | Product Description      |
|------------------|--|--------------------------|
| 520017<br>520046 | Microcystins, Dipstick, Finished Drinking Water, 20 tests                                    | 0 - 5 ppb<br>0.3 - 5 ppb |
| 520020           | Microcystins, Dipstick, Source Drinking Water with QuikLyse® Feature, 20 tests               | 0 - 5 ppb                |
| 520022           | Microcystins, Dipstick, Recreational Fresh Water with QuikLyse® Feature, (EPA ETV), 20 tests | 0 - 10 ppb               |
| 520030           | Cylindrospermopsin, Dipstick, with QuikLyse® Feature, 20 tests                               | 0 - 10 ppb               |
| 520043           | Anatoxin-a (VFDF), Dipstick, 20 tests  | 0 - 2.5 ppb              |
| 520045           | Saxitoxin (PSP), Dipstick, 20 tests  | 0.2 - 3 ppb              |

All Glyphosate and Algal Toxins tests are available in a 5-strip format except for item 520046.



# RapidScan ST5-W Lateral Flow Assay Reader

## Instrument Specifications

| Specifications       |  |
|----------------------|--|
| Product Name         | RapidScan ST5-W Lateral Flow Assay Reader  |
| Article No.          | LFRSCAN002   |
| Supplied Materials   | RapidScan ST5-W Reader<br>Power Cable and International Adapters<br>QR Code Adapter<br>Check Chart<br>User Guide |
| Item Dimensions      | 11 x 14 x 21cm   |
| Item Weight          | 930 g  |
| Display              | 5" LCD touch screen  |
| Platform             | Lateral Flow   |
| Power                | DC 12V 1.5A  |
| Interface            | USB 2.0 port   |
| Application Adapters | See table below. Reader price includes one application adapter of choice.  |



## Application Adapters

| Article No. | Product Name   |
|-------------|--|
| LFA0020001  | RapidScan ST5-W LFD Reader Adapter for pesticide (glyphosate) and algal toxin strips |
| LFA0030001  | RapidScan ST5-W LFD Reader Adapter for allergen strips                               |
| LFA0060001  | RapidScan ST5-W LFD Reader Adapter for GMO strips                                    |
| LFA0070001  | RapidScan ST5-W LFD Reader Adapter for Animal Health strips                          |