



T-2 TAG™

MYCOTOXIN TESTING SYSTEM

- **Quick** – Results in less than 20 minutes (excluding sample extraction)
- **Sensitive** – Detects levels as low as 0.15 ppm
- **Wide Range** – Measures up to 5 ppm
- **Convenient** – Uses same methods and instrumentation as other VICAM mycotoxin tests
- **Easy** – Little training required
- **Safe** – Requires less toxic materials than other methods

Precise Numerical Results

T-2 is one of the most toxic tricothecene mycotoxins, a group of chemically related fungal metabolites produced by *Fusarium* and other mold species. T-2 is considered 10 times more toxic than deoxynivalenol (DON, also known as vomitoxin). In livestock and humans it can cause skin and oral lesions. It has been implicated in the human disease alimentary toxic aleukia.

T-2 TAG™ offers advantages to grain elevators, feed mills, and integrated livestock operations. Rugged, accurate and precise, this quantitative kit allows you to eliminate economic losses and improve livestock performance.

T-2 TAG is safe and easy. T-2 TAG lets you run a variety of samples in either one at a time or in batches. It takes 20 minutes from sampling to result. And you have the best of all worlds - sensitivity, simplicity, speed, and accuracy.

Here's how simple T-2 TAG is to use:

Extract Sample

- Grind and weigh sample
- Blend sample with PEG/salt water mixture
- Filter
- Dilute with water

Sample Preparation

- Add Developer
- Shake

Run Column

- Pass mixture through column
- Wash column with tween and water
- Elute T-2 from the column with methanol and collect in a cuvette

Measure

- Place cuvette into a calibrated fluorometer
- Read results in ppm



T-2 TAG™

MYCOTOXIN TESTING SYSTEM

T-2 TAG:

- Digital readout in ppm
- Requires no special storage or refrigeration
- Has shelf life of one year
- Not affected by heat or humidity up to 30° C
- Can be used with a variety of samples

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Ordering Information

Cat. No.	Description	Cat. No.	Description
G8029/ G8030	T-2 TAG Series-4 Fluorometer Basic Equipment Package G8029, 110 V for U.S.A. G8030, 220 V for international Includes Series-4 Fluorometer, Series-4 printer paper, graduated cylinder (10 mL), bottle dispenser for methanol (500 mL), digital scale and adapter, commercial blender with stainless steel container, 2 glass blender jars (500 mL), wash bottle (500 mL), cuvette rack, 4-position pump stand (60 mL), plastic syringe (60 mL), VICAM fluted filter paper (24 cm), disposable beakers, cuvettes, filter funnels (105 mm), Kim Wipes tissue, polyethylene glycol (PEG), micro-pipettor (500 µL), micro-pipet tips (500µL), silicone stoppers, graduated cylinder (250 mL), T-2 TAG instruction manual. <i>Each item available individually.</i>	G1018	T-2 TAG columns (25)
		G1019	T-2 TAG KIT - 25 columns, T-2 TAG standard solution set, 6 calibration columns
		G1022	T-2 TAG columns (50)
		G1023	T-2 TAG KIT - 50 columns, T-2 TAG standard solution set (2), 12 calibration columns
		G5009	T-2 TAG developer, 1 mL (4 bottles)
		G5010	T-2 TAG standard solution set - 10X T-2 TAG PBS buffer (150 mL) and RED calibrator solution (15 mL)
		23040	Vortex mixer
		35016	Methanol, HPLC grade, 4 x 4L bottles
		G1112	10X concentrate of 0.1% tween PBS buffer, 150 mL
		G1119	10X T-2 TAG PBS buffer, 150 mL
		G8037	T-2 TAG Upgrade Pack - micro-pipettor (500 µL), micro-pipet tips (500 µL), filter funnels (105 mm), polyethylene glycol (PEG), plastic syringe (60 mL), graduated cylinder (10 mL), 4 position pump stand



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The analytical methods presented in this data sheet have been researched and developed by VICAM to be used exclusively with T-2 TAG™ products. These analytical methods have been validated in the VICAM laboratories to perform to the specifications indicated in the T-2 TAG procedures.

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