



Trilogy®

Mycotoxin Standards / Dry Mycotoxin Standards

TRILOGY ANALYTICAL LABORATORY, INC.

WWW.TRILOGYLAB.COM

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■ Trilogy® Mycotoxin Standards

Trilogy provides a wide range of analytical standards for 30 different mycotoxins including Fumonisin, Patulin, Ochratoxin and Trichothecenes. In addition to readily available stock standards, Trilogy® provides custom ordered standards for HPLC/GC/TLC methods as well as bulk standards for manufacturers. Both the Trilogy® Dry Mycotoxin Standards and the Trilogy® Liquid Mycotoxin Standards are almost ready to use, have a long shelf life and reduce hazardous handling with toxins. They are intended for use by customers

who do not have a spectrophotometer or for those who want to ensure accurate HPLC determination of mycotoxins with minimal preparation and effort. Besides for generating a calibration curve the Trilogy® standards can be used to spike samples. Trilogy® provides a Certificate of Analysis (COA), stating the concentration, uncertainty, manufacturing data and solvent to be used for reconstitution for the dry standards, with each standard we produce. All certificates and MSDS are available on-line (www.trilogylab.com)

■ Trilogy® Dry Mycotoxin Standards

The Trilogy® Dry Standards can be used for spiking experiments in order to check laboratory performance or for analysis of mycotoxins by HPLC or GC. The standards are very easy to use; a simple reconstitution step reduces the need to handle hazardous mycotoxin powders. The solvent

to be used for reconstitution is mentioned on the certificate of analysis and in the table below. The standards are stored at 8°C or lower. The shelf life is typically 12 months before reconstitution from the certificate date, followed by another 6 months after reconstitution.



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Trilogy® Mycotoxin Standards / Trilogy® Dry Mycotoxin Standards

■ Trilogy® Mycotoxin Standards / Trilogy® Dry Mycotoxin Standards – Products available

| Article no. | Mycotoxin | Concentration* | Reconstitute in |
|-------------|--|----------------|---------------------------------|
| TS-104 | Aflatoxin B-1 | 25 µg/ml | Acetonitrile 10ml |
| TS-105 | Aflatoxin B-2 | 25 µg/ml | Acetonitrile 10ml |
| TS-106 | Aflatoxin G-1 | 25 µg/ml | Acetonitrile 10ml |
| TS-107 | Aflatoxin G-2 | 25 µg/ml | Acetonitrile 10ml |
| TS-108 | Aflatoxins B-1, B-2, G-1, G-2 (4:1:4:1) | 2.0/ 0.5 µg/ml | Acetonitrile 10ml |
| TS-130 | Aflatoxin M-1 | 1.0 µg/ml | Acetonitrile 2ml |
| TS-202 | Fumonisin B-1, Fumonisin B-2 (10:3) | 100/ 30 µg/ml | Acetonitrile/ Water (50/50) 2ml |
| TS-307 | Type A & B Trichothecenes (Fusarenon-X, DON, Nivalenol, 3 & 15 Acetyl DON, HT-2 Toxin, Diacetoxyscirpenol, T-2 Toxin, Neosolaniol) | 100 µg/ml | Acetonitrile 2ml |
| TS-310 | Deoxynivalenol (DON) | 50 µg/ml | Methanol 10ml |
| TS-314 | T-2 Toxin | 100 µg/ml | Acetonitrile 5ml |
| TS-316 | Diacetoxyscirpenol (DAS) | 100 µg/ml | Acetonitrile 5ml |
| TS-317 | Deoxynivalenol (DON) | 100 µg/ml | Methanol 10ml |
| TS-328 | Neosolaniol | 100 µg/ml | Acetonitrile 5ml |
| TS-333 | HT-2 Toxin | 100 µg/ml | Acetonitrile 5ml |
| TS-342 | 3-Acetyl Deoxynivalenol | 100 µg/ml | Acetonitrile 5ml |
| TS-343 | 15-Acetyl Deoxynivalenol | 100 µg/ml | Acetonitrile 5ml |
| TS-344 | Nivalenol | 100 µg/ml | Methanol 5ml |
| TS-351 | Fusarenon-X | 100 µg/ml | Methanol 5ml |
| TS-353 | Type A Trichothecenes (DAS, HT-2 Toxin, T-2 Toxin, Neosolaniol) | 10 µg/ml | Acetonitrile 5ml |
| TS-354 | Type B Trichothecenes (Fusarenon-X, DON, 3 & 15 Acetyl DON, Nivalenol) | 10 µg/ml | Acetonitrile 5ml |
| TS-401 | Zearalenone | 25 µg/ml | Methanol 10ml |
| TS-503 | Ochratoxin | 1.0 µg/ml | Methanol 5ml |
| TS-802 | Cyclopiazonic Acid | 10 µg/ml | Methanol 5ml |
| TS-904 | Citrinin | 5.0 µg/ml | Absolute Ethanol 5ml |

* The concentration mentioned is after reconstitution in the appropriate volume of solvent as mentioned on the certificate of analysis



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Liquid Mycotoxin Standards

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■ Trilogy® Liquid Mycotoxin Standards

The Trilogy® Liquid Standards can be used for spiking experiments in order to check laboratory performance or for analysis of mycotoxins by HPLC or GC. The standards are very easy to use and are dissolved in organic solvent, as mentioned

on the certificate of analysis and in the table below. The standards are stored at 8°C or lower, the shelf life is typically 12 months from the date of manufacture.



Trilogy®

Liquid Mycotoxin Standards

■ Trilogy® Liquid Mycotoxin Standards – Products available

| Article no. | Mycotoxin | Concentration* | Solvent |
|-------------|--|----------------|---------------------------------|
| TSL-104 | Aflatoxin B-1 | 25 µg/ml | Acetonitrile 10ml |
| TSL-105 | Aflatoxin B-2 | 25 µg/ml | Acetonitrile 10ml |
| TSL-106 | Aflatoxin G-1 | 25 µg/ml | Acetonitrile 10ml |
| TSL-107 | Aflatoxin G-2 | 25 µg/ml | Acetonitrile 10ml |
| TSL-108 | Aflatoxins B-1, B-2, G-1, G-2 (4:1:4:1) | 2.0/ 0.5 µg/ml | Acetonitrile 10ml |
| TSL-143 | Aflatoxin M-1 | 0.5 µg/ml | Acetonitrile 2ml |
| TSL-202 | Fumonisin B-1, Fumonisin B-2 (10:3) | 100/ 30 µg/ml | Acetonitrile/ Water (50/50) 2ml |
| TSL-307 | Type A & B Trichothecenes (Fusarenon-X, DON, Nivalenol, 3 & 15 Acetyl DON, HT-2 Toxin, Diacetoxyscirpenol, T-2 Toxin, Neosolaniol) | 100 µg/ml | Acetonitrile 2ml |
| TSL-314 | T-2 Toxin | 100 µg/ml | Acetonitrile 5ml |
| TSL-317 | Deoxynivalenol (DON) | 100 µg/ml | Methanol 10ml |
| TSL-333 | HT-2 Toxin | 100 µg/ml | Acetonitrile 5ml |
| TSL-401 | Zearalenone | 25 µg/ml | Methanol 10ml |
| TSL-504 | Ochratoxin | 10 µg/ml | Methanol 5ml |
| TSL-601 | Patulin | 25 µg/ml | Acetonitrile 5ml |

* The concentration mentioned is after reconstitution in the appropriate volume of solvent as mentioned on the certificate of analysis



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Mycotoxin Standards / Dry Mycotoxin Standards / Liquid Mycotoxin Standards

■ **Trilogy Analytical Laboratory:**

Quality Starts Here

Trilogy® Analytical Laboratory is a lab designed for “niche” methodology not found in typical food and feed laboratory settings. With more than 50 years of analytical testing experience, our staff are dedicated to developing and providing quality analytical procedures for the food and feed industry.

Trilogy analytical methods have been researched to provide precise and reliable analytical procedures that meet our clients needs.

Trilogy®’s commitment extends beyond offering quality analytical services, rapid turn around times and competitive pricing. Our chemists are dedicated to providing our clients with the very best in analytical services

For further information about Trilogy® Mycotoxin Dried Standards or other products and services, please contact:

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Or contact your local R-Biopharm representative for more information on Trilogy products and services. Please also visit our web-site at www.trilogylab.com