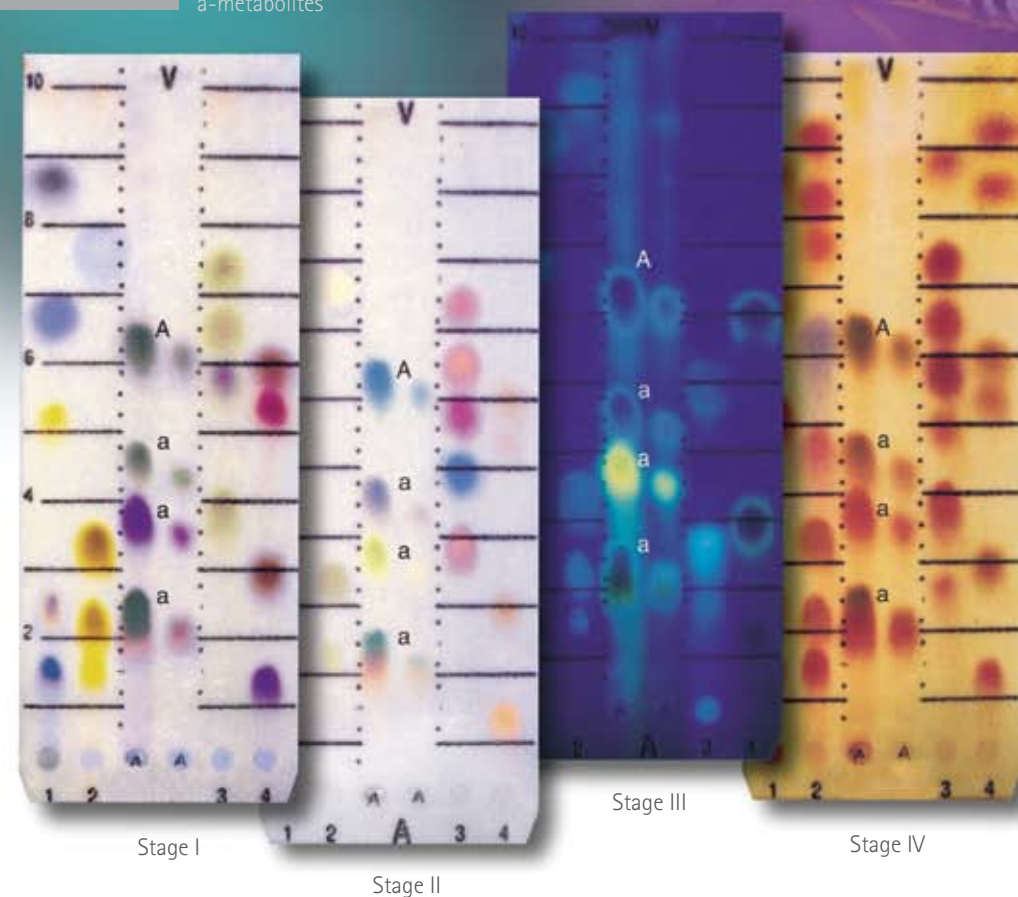


STANDARDIZED
SIMPLIFIED
DOCUMENTED
TLC

TOXI-LAB®
Quick and easy drug identification

TOXI-LAB A
A-Tramadol
a-metabolites



For over 30 years, the TOXI-LAB family of products has been the reliable choice for customers in the medical, industrial, forensic, and veterinary fields. Only TOXI-LAB has simplified and standardized thin layer chromatography (TLC), allowing you to quickly and easily identify specific analytes in a specimen, not just the drug class.

TOXI-LAB combines R_f with four stages of color reactions providing greater identification power than many other drug detection methods. You get reproducible results every time with TOXI-LAB's built-in quality control and extensive drug photo-documented database.

Whether your lab is new to toxicology, upgrading from classical thin layer, or looking to supplement your current methodologies, TOXI-LAB is your clear choice for simplified and standardized thin layer chromatography (TLC).

TOXI-LAB®
YOU CAN SPOT THE DIFFERENCE

Varian, Inc. is committed to a process of continuous improvement, driving us to exceed customer expectations in everything we do.



TOXI-LAB®
YOU CAN SPOT THE DIFFERENCE

The changing colors of drug identification



ISO 13485:2003
CERTIFIED

Varian, Inc.
www.varianinc.com

TOXI-LAB Customer Service and Technical Support:

email: toxilab@varianinc.com
800.854.0277, Option 1 (US only)
949.770.9381, Option 1
fax: 949.770.0863

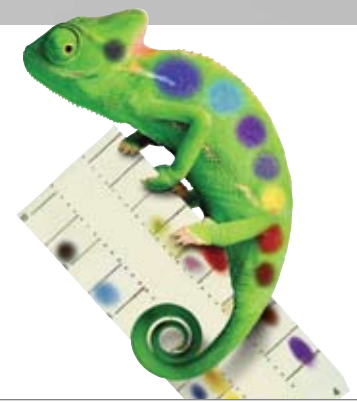
International customers please contact your local Varian office or distributor.



VARIAN

TOXI-LAB[®] Drug Detection System

It's easy to spot hundreds of drugs with TOXI-LAB's unique system of color reactions



Screen for over 700 drugs—with reliable results in less than one hour.

TOXI-LAB AB

Test for over 700 illicit, prescription, and O-T-C drugs with just one analysis. The TOXI-LAB AB Drug Detection System gives you all the supplies you need—including pre-made extraction tubes, chromatograms, standards, and reagent concentrates—to get reproducible results in just one hour.

- **Comprehensive:** One simple screening method for polydrug specimens.
- **Information-rich:** Features a database with extensive US and international drug photodocumentation.
- **Cost-effective:** Low startup costs with no expensive instrument maintenance or maintenance contracts.
- **Environmentally friendly:** No spraying of reagents

The TOXI-LAB AB Procedure

TOXI-LAB AB consists of simple steps using specially modified reagents, materials, standards, and procedures. These special products and procedures significantly speed up the analysis and make results far more reproducible.

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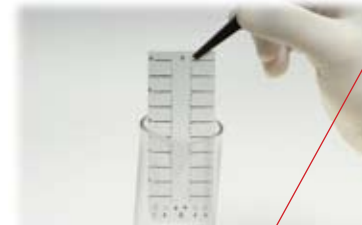
1 Extraction
Pipet the sample into the extraction tube. Mix and centrifuge.



2 Concentration
Place a blank disc in a concentration cup for each sample. Transfer the upper (organic) layer from the extraction tube into the cup. Evaporate the organic layer to concentrate the analyte onto the disc.



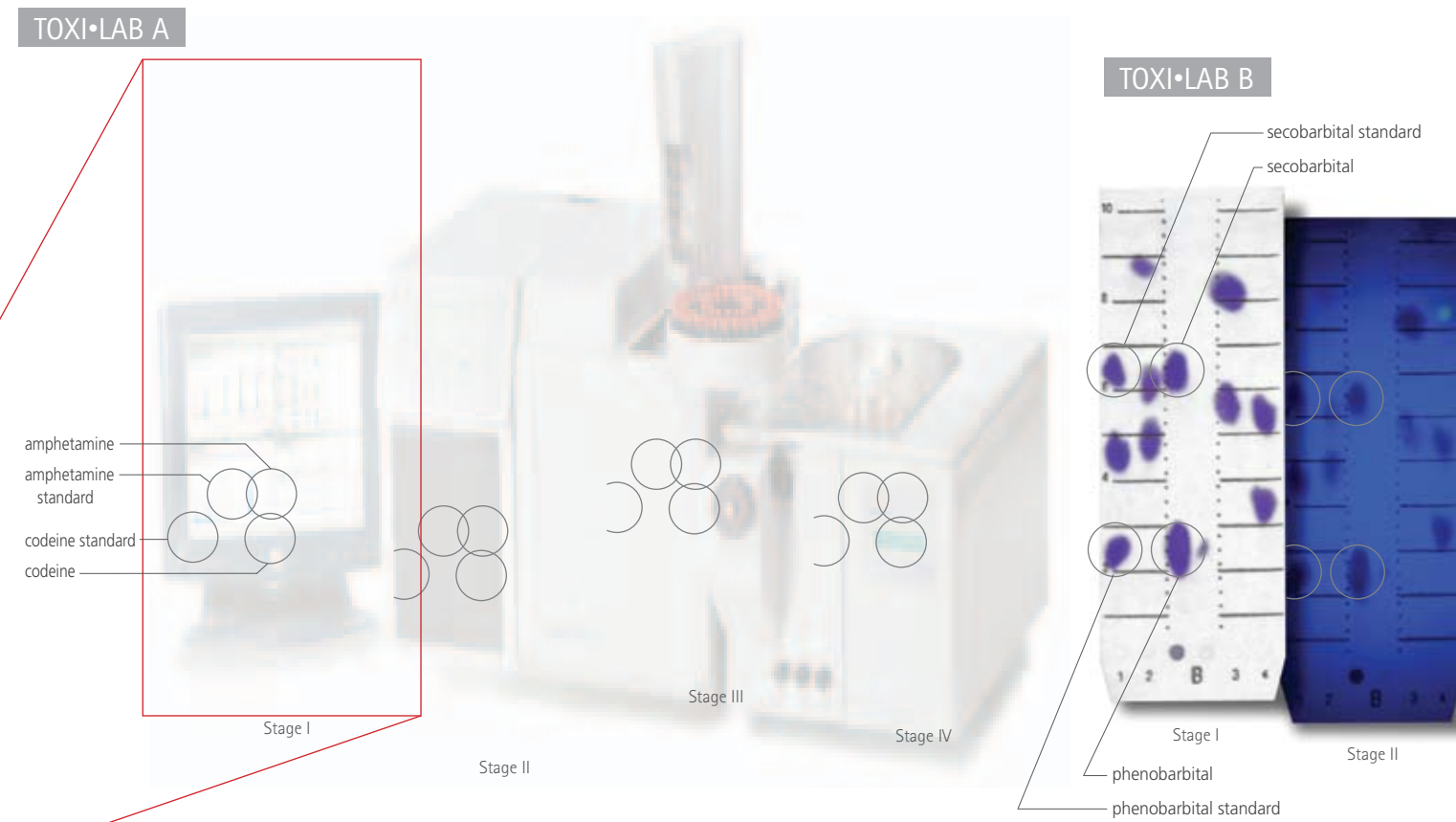
3 Inoculation
Insert the dry disc into one of the center spaces (sample channels) of the TOXI-GRAM.



4 Development
Develop the TOXI-GRAM in developing solution. Pink dye markers will migrate with the solvent front. Remove the TOXI-GRAM and dry it briefly.



5 Detection
A broad spectrum of analytes can be detected and differentiated by position (R_f) and color reaction through the detection stages.

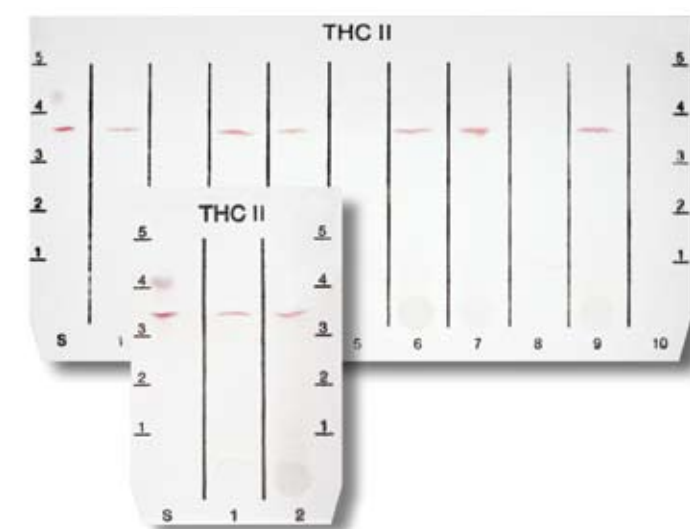


Confirm marijuana metabolite at the same cutoff recommended for GC/MS

THC II and THC II Plus

Now you can screen or confirm for Δ^9 -THC-COOH in urine and get results in 20 minutes. TOXI-LAB THC II gives you a sensitivity of 15 ng/mL for both screening and confirmation—the same cutoff recommended for GC/MS by US SAMHSA guidelines. Additionally, this off-line analysis provides more GC/MS availability.

- **Quick:** Results in 20 minutes.
- **Specific:** No interfering substances.
- **Cost-effective:** Low startup cost and no capital investment. No expensive instrument maintenance or maintenance contracts.

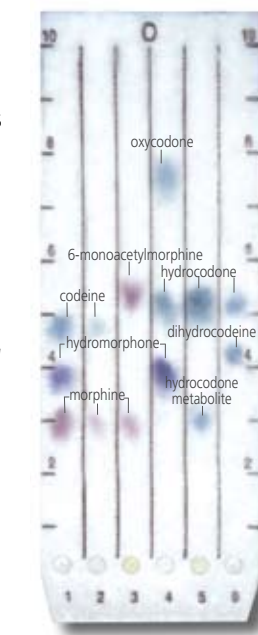


Differentiate individual opiates

LTD[™] Opiate

When you need to know exactly which analyte produced a positive opiate class drug screen result, turn to the TOXI-LAB LTD Opiate system. With TOXI-LAB LTD, you can distinguish between morphine, normorphine, 6-monoacetylmorphine (6-MAM), hydromorphone, codeine, norcodeine, hydrocodone, dihydrocodeine, and oxycodone.

- **Quick:** Analyzes 10 to 20 specimens in 60 minutes.
- **Specific:** Differentiates individual drugs in the Opiate class.
- **Sensitive:** Limit of detection is 200 ng/mL.

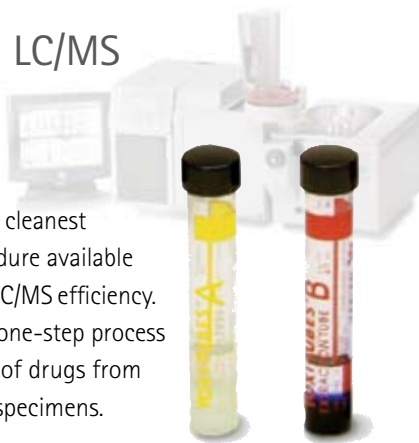


Boost GC/MS and LC/MS efficiency

TOXI-TUBES[®]

Use the quickest, easiest, and cleanest liquid/liquid extraction procedure available to increase your GC/MS and LC/MS efficiency. TOXI-TUBES give you a clean one-step process for extracting a broad range of drugs from biological or non-biological specimens.

- **Boost GC/MS and LC/MS efficiency** with fast simple drug extractions.
- **Reduce risk of system downtime** and increase throughput by reducing column changes.
- **Quickly, easily, cleanly extract drugs** from samples.

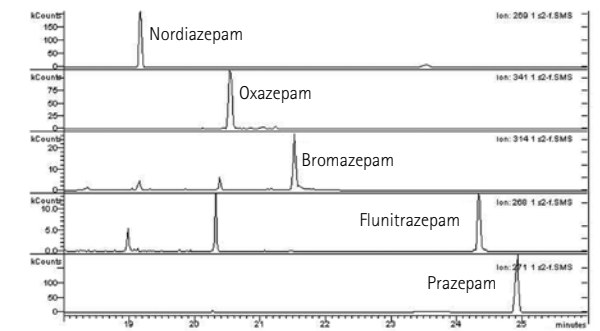
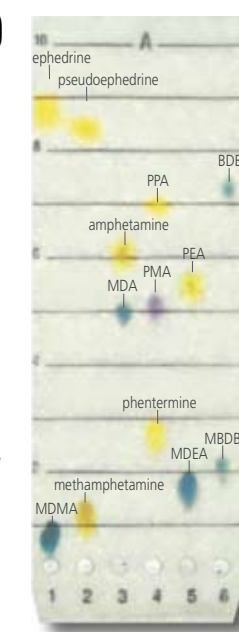


Pinpoint "Rave" party drugs with ease.

Sympathomimetic Amine (SMA) Differentiation Special Procedures

From ecstasy to methamphetamine, the TOXI-LAB Sympathomimetic Amine (Amphetamines) Special Procedures can help you quickly detect and differentiate SMAs—up to 10 specimens in 45 minutes.

- **Quick:** Analyzes 10 specimens in 45 minutes.
- **Specific:** Differentiates MDMA, MDA, MDEA, amphetamine, methamphetamine, PMA, MBDB and BDB, ephedrine/pseudoephedrine, phentermine, phenylpropanolamine, and phenethylamine.
- **Sensitive:** Limit of detection is 250-500 ng/mL for most SMAs.



Selected profiles of five benzodiazepines extracted from a whole blood sample using TOXI-TUBES A. Each drug was spiked at 50 ng/mL in blood.

Benzodiazepine	Recovery ratio (%)	
	Whole Blood	Urine
Nordiazepam	75.5	88.2
Oxazepam	72.0	85.9
Bromazepam	67.8	91.2
Flunitrazepam	72.7	89.8
Prazepam	74.7	93.2

