



# Micro Distributing

*A Diagnostic Distribution Company*



## Product Training

**ZEToL-Dx™**

**Multi-panel Dip  
Card Test**

# Diagram of ZEToL-Dx™ Dip Card Test

- Easy-to-Use
- Results in minutes
- FDA Approved
- 13 drugs available in many combinations (10 max)



- ← Donor information
- ← Legend to Read Results
- ← Drug Name Labels
- ← Test Result Window(s)
- ← Cap – Remove to Expose Test Strips

# **General Directions for Storage and Stability**

- **Store test card at room temperature (35-77°F or 2-30°C)**
- **Do not freeze kits**
- **Do not use after Expiration Date**
- **If refrigerated or frozen, allow urine specimen to equilibrate to room temperature prior to testing**
- **Remove the test from the sealed pouch and use it as soon as possible**

# How to Administer the Test

## Test Label:

- Part No.
- Lot No.
- Exp. Date

Sterile  
Collection  
Cup with  
Temperature  
Strip

Protective  
Gloves



# Enter Donor Information on the Collection Cup Label

Give the labeled collection cup to the donor with your specific collection protocol instructions.

Contact us for assistance with Urine Collection Guidelines.

866-933-0964



# Enter Donor Information on the Test Device





# Prepare to Perform the Test

Check the temperature strip on the collection cup. If temperature is not between 90-100 F sample is considered invalid.

Remove the test from the foil pouch and remove the cap to expose the test strips



# Dip the Test Strips in the Urine

- Do not allow urine sample to touch plastic device.
- Immerse test strips for approximately 15-30 seconds. You will see a pink color migrating up the test strip.





# Remove Test from Sample Cup

- Replace cap.
- Lay test device on a flat surface.
- Read the results within 2-5 minutes.
- Results are stable for up to 4 hours.



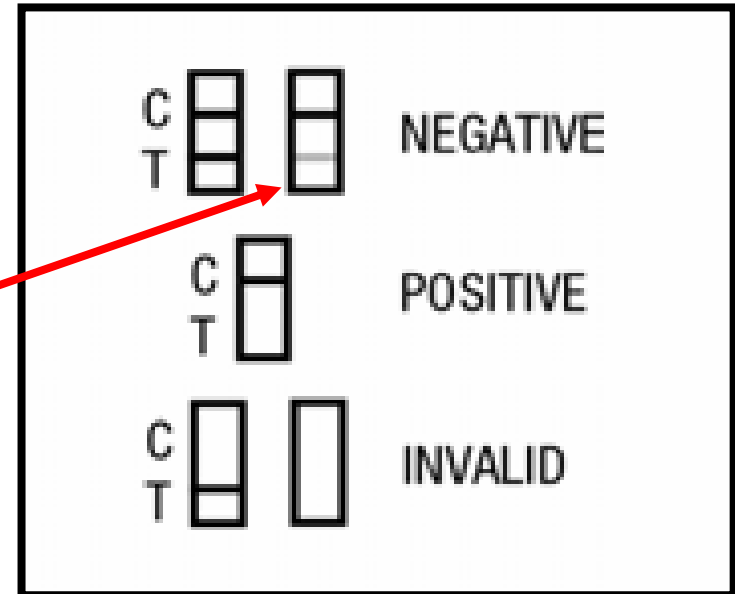
# Reading Drug Test Results

**NEGATIVE**: Two lines appear. One red line appears in the control region (C), and another red line appears in the test region (T). A negative result indicates that the drug concentration is below the detectable level.

\***NOTE**: The shade of red in the test line region (T) will vary, but it should be considered negative whenever there is even a faint pink line.

**POSITIVE**: One red line appears in the control region (C). No line appears in the test region (T). A positive result indicates that the drug concentration is above the detectable level.

**INVALID**: Control line fails to appear. Review the procedure and repeat the test using a new test panel. If the problem persists, discontinue using the lot immediately and contact your local distributor.

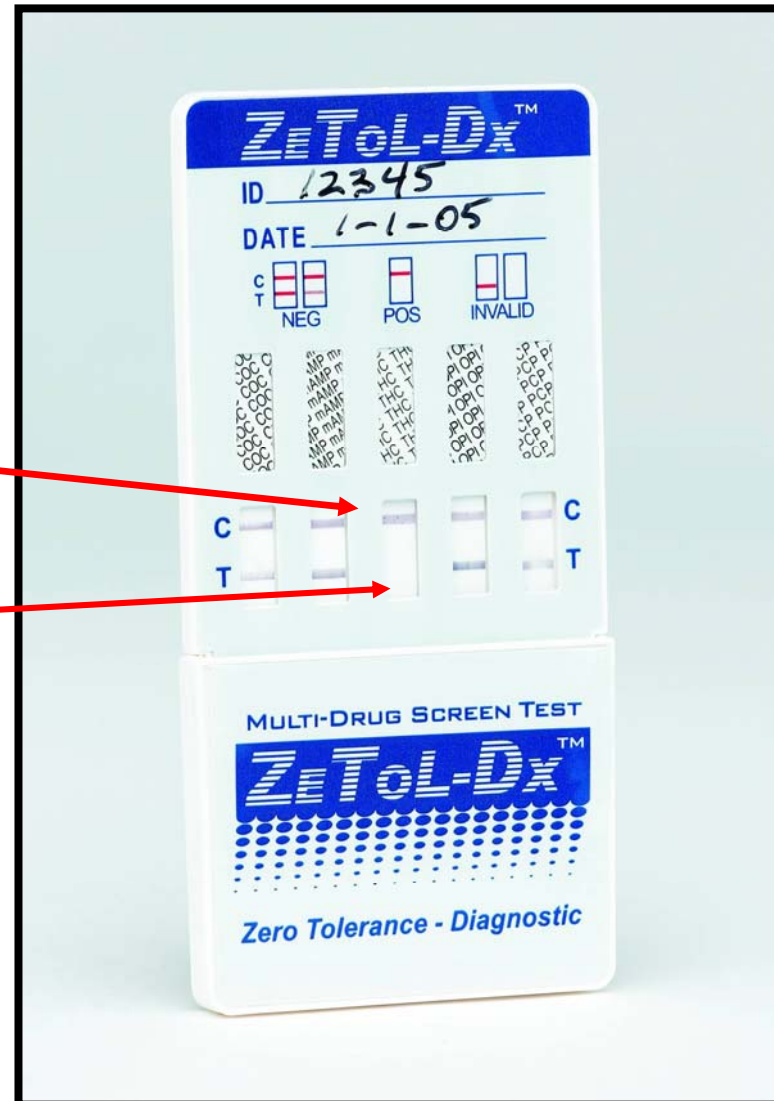


# Example: Actual Positive Result

This example of an actual test result shows a positive result for THC (marijuana):

Control Line is present

Test Line is not present



# Test Principle

## *Drug Testing is a 2-Step Process*

### **1. Initial Screen (Rapid Test)** - Enzyme Multiplied Immunoassay Technique (EMIT)

- Provide a Preliminary result
- Based on competitive binding for drug antibodies at specific ng/ML levels.
- Results are Qualitative (eg. presence of a line)

### **2. Confirmation** - Gas Chromatography / Mass Spectrometry (GC/MS)

- Considered the “Gold Standard” in drug testing
- Based on the physical and chemical properties of the specific drug or metabolite to be measured by extracting the drug from the urine or saliva and using heat or liquid to cause the metabolites to separate.
- Results are Quantitative (eg. Numeric level reported)

**FOR GC/MS Confirmation Services Call us at 866-933-0964**

# ng/ML Cut Off Levels

drug concentration levels required for positive result reporting

<b>Drug</b>	<b>EMIT Screen Level ng/ml</b>	<b>GC/MS Level ng/ml</b>
<b>Amphetamines</b>	<b>*1000</b>	<b>500</b>
<b>Barbiturates</b>	<b>300</b>	<b>200</b>
<b>Benzodiazapines</b>	<b>300</b>	<b>200</b>
<b>Marijuana:</b>	<b>*50</b>	<b>15</b>
<b>Cocaine</b>	<b>*300</b>	<b>150</b>
<b>Methadone</b>	<b>300</b>	<b>200</b>
<b>Methamphetamine</b>	<b>*1000</b>	<b>500</b>
<b>Methaqualone</b>	<b>300</b>	<b>200</b>
<b>Opiates</b>	<b>*2000 / 300</b>	<b>2000</b>
<b>PCP</b>	<b>*25</b>	<b>25</b>
<b>Propoxyphene</b>	<b>300</b>	<b>200</b>

SAMHSA – The Substance Abuse and Mental Health Services Administration established drug testing cut off levels for Federal Workplace Testing. These cut offs have become the “standard” for non-federal workplace testing as well.

# Drug Detection Periods

*The window of time after taking a drug that it can be detected in urine*

<b>Drug</b>	<b>Detection Period</b>
<b>Amphetamines</b>	<b>2-4 days</b>
<b>Barbiturates</b> (phenobarbital – 2 weeks or longer)	<b>3 days</b>
<b>Benzodiazapines</b>	<b>Up to 2 weeks or longer</b>
<b>Marijuana:</b> <b>Infrequent User</b> <b>Chronic User</b>	<b>2-7 days</b> <b>30 days or longer</b>
<b>Cocaine</b>	<b>2-3 days</b>
<b>Methadone</b>	<b>2-4 days</b>
<b>Methamphetamine</b>	<b>2-4 days</b>
<b>Methaqualone</b>	<b>Up to 10 days</b>
<b>Opiates</b>	<b>2-3 days</b>
<b>PCP</b>	<b>3-8 days; Chronic use up to 30 days</b>
<b>Propoxyphene</b>	<b>3-7 days</b>



# Technical Support

24/7 Support Hotline

**866-933-0964**

*or Contact us at*

EMAIL: [info@micro-distributing.com](mailto:info@micro-distributing.com)

WEB: [www.micro-distributing.com](http://www.micro-distributing.com)