Reditest® Panel-Dip
Substance abuse screening device

PRODUCT TRAINING PROCEDURES
The information in this presentation is a general overview on using the Reditest® Panel-Dip substance abuse screening device.

**Product Training Contents:**

- Panel-Dip overview
- Collection procedure
- Testing procedure
- Reading results
- Sending presumptive positives for confirmation
Panel-Dip technical information

It is important to read the package insert before using the Panel-Dip screening device.

Screening Results:
The Panel-Dip is used for Screening Only. Positive results obtained with this device are presumptive.

Additional testing is necessary to confirm the presumptive positive results. Positive results should be “confirmed” by an alternate method such as GC/MS (Gas Chromatography/Mass Spectrometry) or LC/MS/MS (Liquid Chromatography/Tandem Mass Spectrometry).

Professional judgment should be applied to any drug of abuse test result, particularly with preliminary positive results.

Panel-Dip Intended Use: The Panel-Dip screening device is a lateral flow chromatographic immunoassay for the qualitative detection of multiple drugs and drug metabolites in urine.

For professional in vitro diagnostic use only.
Panel-Dip product overview

FEATURES & BENEFITS

• Available tests include: *AMP, BAR, BUP, BZO, COC, EDDP, M-AMP, MDMA, MTD, OPI, OXY, PCP, PPX, TCA and THC.
• Select from a wide variety of testing cut-off levels
• Built in procedural controls for negative, positive or invalid result
• Results in 5 minutes
• Flexible 1-12 drug test combinations
• FDA – 510(k) cleared to market

* See page 8 for abbreviations and cut-off levels
Panel-Dip components

INSTRUCTIONS
1. Remove the device from the foil pouch.
2. Pull the plastic cap from the device.
3. Dip the revealed sample pads into the urine sample for a minimum of 10-15 seconds.
4. Remove the device from the urine and replace the plastic cap.
5. Place on a flat surface. Read test results at 5 minutes.

TO READ RESULTS
Test card
Cap

Panel-Dip Test Card

Control Region
Test Region
Sample Pads
Plastic Cap

Pouch

REDWOOD TOXICOLOGY LABORATORY
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Panel-Dip foil pouch

Lot number, expiration date, part number and a list of abbreviated drugs screened on that specific Panel-Dip device are located on the back of the foil pouch.

Pouch Front

Pouch Back

**List of Drugs**: 10 Panel (AMP/M-AMP/BAR/BZO/COC/MTD/OPI/PCP/TCA/THC)

**Part Number**: P/N: 011020025

**Lot Number**: Lot: DOAXXXXXX Exp: 07/2010
<table>
<thead>
<tr>
<th>Drug</th>
<th>Target Drug</th>
<th>Cutoff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amphetamine (AMP)</td>
<td>D-Amphetamine</td>
<td>1,000 ng/mL</td>
</tr>
<tr>
<td>Amphetamine (AMP)</td>
<td>D-Amphetamine</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Barbiturates (BAR)</td>
<td>Secobarbital</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Benzodiazepines (BZO)</td>
<td>Oxazepam</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Buprenorphine (BUP)</td>
<td>Buprenorphine</td>
<td>10 ng/mL</td>
</tr>
<tr>
<td>Cocaine (COC)</td>
<td>Benzoylecgonine</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Cocaine (COC 150)</td>
<td>Benzoylecgonine</td>
<td>150 ng/mL</td>
</tr>
<tr>
<td>EDDP (Methadone Metabolite)</td>
<td>2-Ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Marijuana (THC)</td>
<td>11-nor-(\Delta^9)-THC-9 COOH</td>
<td>50 ng/mL</td>
</tr>
<tr>
<td>Methadone (MTD)</td>
<td>Methadone</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Methyleneedioxyamphetamine (MDMA)</td>
<td>D,L Methylenedioxy-methamphetamine</td>
<td>500 ng/mL</td>
</tr>
<tr>
<td>Methamphetamine (M-AMP)</td>
<td>D-Methamphetamine</td>
<td>1,000 ng/mL</td>
</tr>
<tr>
<td>Methamphetamine (M-AMP 500)</td>
<td>D-Methamphetamine</td>
<td>500 ng/mL</td>
</tr>
<tr>
<td>Opiate (OPI 300)</td>
<td>Morphine</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Opiate (OPI 2,000)</td>
<td>Morphine</td>
<td>2,000 ng/mL</td>
</tr>
<tr>
<td>Oxycodone (OXY)</td>
<td>Oxycodone</td>
<td>100 ng/mL</td>
</tr>
<tr>
<td>Phencyclidine (PCP)</td>
<td>Phencyclidine</td>
<td>25 ng/mL</td>
</tr>
<tr>
<td>Propoxyphene (PPX)</td>
<td>Propoxyphene</td>
<td>300 ng/mL</td>
</tr>
<tr>
<td>Tricyclic Antidepressants (TCA)</td>
<td>Nortriptyline</td>
<td>1,000 ng/mL</td>
</tr>
</tbody>
</table>
Collection Procedure
Collecting Specimen

Collect urine specimen in a collection container.

Fill the cup to at least 1/3 full. This helps ensure proper specimen volume for initial test and possible confirmation tests.
Testing Procedure
Testing procedure

Open the foil pouch and remove the Panel-Dip device.

NOTE: The desiccant pouches are part of the packaging, they are not a part of the screening device.

Remove the plastic cap from the device. Do not discard the plastic cap.
Dip revealed sample pads into urine sample for a minimum of **15-30 seconds** until urine is seen wicking into the reading zone. Make sure each pad is **dipped into the specimen to the level of the wavy lines** without touching the plastic card to the urine.

Remove the Panel-Dip device from the urine and replace the plastic cap.

**Place the device on a flat surface.**

If urine is not seen wicking at 1 minute – repeat the process until wicking is seen.
Reading Results
Reading results

Read test results at **5 minutes**. Do not interpret results after 4 hours as false results may occur. **NOTE:** Any line at all in the test zone is to be interpreted as negative.
**NEGATIVE**
The control line must be colored to indicate the test is valid. Any visible line, even a faint line, indicates a negative result. See example page 17.

**POSITIVE**
The control line must be colored to indicate the test is valid. The test area must be snow white to be considered positive. See example page 18. *Additional testing is necessary to confirm the presumptive positive results. Positive results should be “confirmed” by an alternate method such as GC/MS (Gas Chromatography Mass Spectrometry).*

**INVALID**
When there is no line in the control line area, the result is invalid. If an invalid result is obtained repeat the test using a new test device.

If the problem persists, contact RTL Client Services at: (800) 255-2159, option 1.
Reading results

Negative Example

NEGATIVE = line is present

Any visible line, even a faint line, indicates a negative result.
**Reading results**

*Presumptive Positive Example*

**POSITIVE** = line is not present

Presumptive positive for cocaine (no line is present).
Additional support services
Additional support services

SENDING SPECIMENS TO THE LABORATORY  » Download PDF
For instruction on how to send presumptive positive specimens to the lab, please review the next document in the training services: “Shipping & Labeling Protocol”.

COLLECTION AND REPORTING MANAGEMENT  » Learn more
Take advantage of RTL’s powerful collection and reporting system. Schedule donors, manage on-site tests, view reports and route presumptive positive specimens to the lab.

PRELIMINARY RESULT FORMS  » Download PDF
Log on-site results by downloading a Preliminary Result Form PDF. Printed form pads are available by request. These forms are not lab test request forms (for further confirmation testing).