

PharmChek®

Drugs of Abuse Sweat Patch | by PharmChem, Inc.

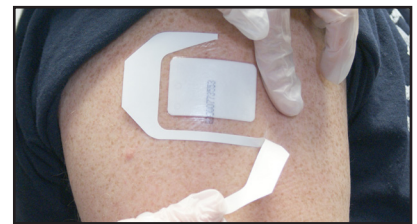
**BECAUSE YOU ONLY
SWEAT
THE TRUTH!**

**Standard Panel: Cocaine, Opiates,
Amphetamine, Methamphetamine,
PCP & Marijuana**

**Expanded Opiate Panel: Hydrocodone,
Hydromorphone, Oxycodone & Oxymorphone**

- ✓ Tests for both the drug metabolite and the parent drug
- ✓ Continuous monitoring; 24 hours per day, 7 days per week
- ✓ Retains drugs used any time during wear period
- ✓ Cannot be diluted and is tamper-evident

The PharmChek® Drugs of Abuse Sweat Patch by PharmChem allows continual monitoring of your drug-dependent clients. Due to the solid construction of the patch, tampering is visibly evident.



Kits Available

N218 - 50-PATCH KIT

N214 - 10-PATCH KIT

Advantages

- *Tamper evident*
- *Increased window of detection*
- *Acts as a deterrent to drug use*
- *Variable removal date*
- *Cost effective*
- *Reliable*
- *Hygienic alternative to urine testing*
- *7 - 10 days of wear time*

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Drugs of Abuse Sweat Patch

FOR CONTINUOUS MONITORING WITH SWEAT

The Patch

The Sweat Patch acts as a collector for nonvolatile components of sweat, including drugs of abuse. It consists of an adhesive plastic film that holds a pad in place against the skin.

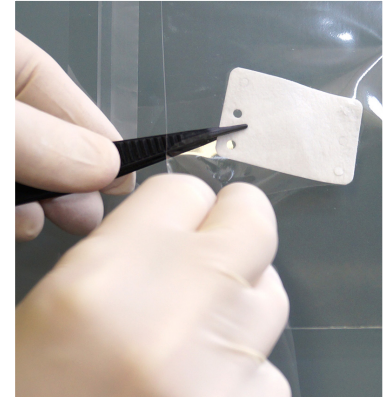
The adhesive film of the patch is a semipermeable barrier that allows oxygen, carbon dioxide, and water vapor to pass through so that the skin can breathe normally. Larger molecules (such as drugs) are trapped in the absorption pad portion of the patch. Contaminants from the environment cannot penetrate the adhesive barrier from the outside, so the patch can be worn during normal activities, including bathing, swimming and athletics.



Analysis

Once the pad is received at CRL, any drugs present are washed from it into an extraction solvent and tested by assays similar to those used for testing urine samples.

Immunoassay (ELISA) technology is currently used for the screening test. A positive screening test is confirmed by LC/MS/MS (Tandem Liquid Chromatography/ Mass Spectrometry).



Usage

The Sweat Patch is worn on the upper arm, (lower midriff and lower back are alternative sites). The skin where the patch will be worn is thoroughly and aggressively cleaned with alcohol pads to remove dirt, oil and dead skin cells prior to application. The Sweat Patch should be worn for a minimum of 24 hours to ensure an adequate amount of sweat is collected for testing.



After the patch is worn, the absorption pad is removed and sent with a completed chain-of-custody form to CRL to be tested for drugs of abuse. Clinical studies have shown that drugs and drug metabolites contained

in the pad are stable for days at room temperature, and months in a freezer. The Sweat Patch is tamper-evident when applied correctly. A unique number is imprinted on each patch to aid with chain-of-custody identification. The Sweat Patch is also gender-neutral and eliminates the need for same sex observations.

Standard Panel

Parent Drug	Screening	Metabolite	Confirmation by LC/MS/MS
Methamphetamine	EIA 10 ng/mL	Amphetamine	10 ng/mL
Cocaine	EIA 10 ng/mL	Benzoylcegonine	10 ng/mL
Opiates	EIA 10 ng/mL	Heroin Morphine Codeine	10 ng/mL
Phencyclidine	EIA 7.5 ng/mL	Phencyclidine	7.5 ng/mL
Marijuana	EIA 1.5 ng/mL	THC	0.5 ng/mL

Expanded Opiate Panel

Drug	Screening	Confirmation by LC/MS/MS
Hydrocodone	10 ng/mL	10 ng/mL
Hydromorphone	10 ng/mL	10 ng/mL
Oxycodone	10 ng/mL	10 ng/mL
Oxymorphone	10 ng/mL	10 ng/mL

