

PharmChek[®]

Drugs of Abuse Sweat Patch | *by PharmChem, Inc.*

PharmChek.com

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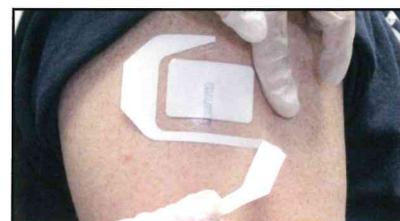
**BECAUSE YOU ONLY
SWEAT
THE TRUTH!**

**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**

Fort Worth, TX 76118

www.pharmchem.com



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.

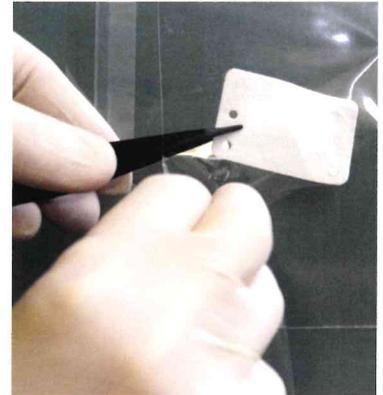
The adhesive film of the patch is a semipermeable barrier that allows oxygen, carbon dioxide, and water vapor to pass through so that the skin can breathe normally. Larger molecules (such as drugs) are trapped in the absorption pad portion of the patch. Contaminants from the environment cannot penetrate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

2411 E. Loop 820 N., Fort Worth, TX 76118

www.pharmchem.com | 1-855-458-4100

Fax: 817.590.4304

APPLICATION INSTRUCTIONS

Always wear gloves when applying or removing the patch.



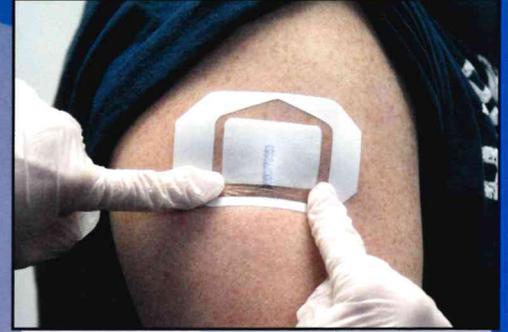
1. Fill out the 'application Section' of the chain-of-custody form, (in the donor's presence).

It is MANDATORY for the observer to sign the chain-of-custody form.



2. Thoroughly cleanse the skin where the patch will be placed with a minimum of 3 alcohol pads. The arm should redden as you aggressively cleanse the skin. Continue cleansing with additional pads until the pad is no longer discolored.

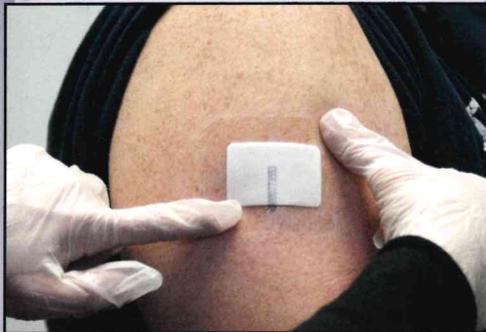
[If using an overlay, an area at least 5x6 inches must be cleansed to ensure the overlay will adhere properly.]



3. Remove the patch from the sealed wrapper. Ensure the arm is flexed while you apply the patch to the donor. Rub your finger around the clear film several times, paying close attention to the corners and edges of the patch.



4. Find the slit in the paper border on the outside of the patch. As you peel off the border, press the film to the skin to ensure adhesion.



5. Continue to press the patch to the skin, making sure that the corners are well adhered.

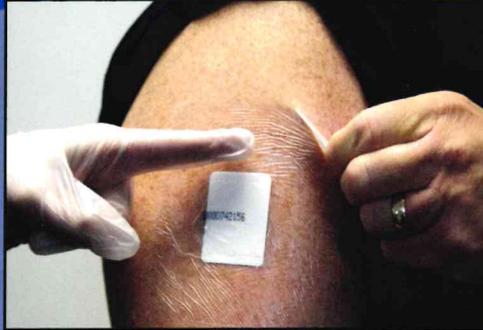


6. If using an overlay, remove the full back from the film, and place over the top of the patch. Be careful that the only portion showing in the window is the pad. Before removing the border, rub your index finger around the film for several seconds, paying close attention to the edges and corners.

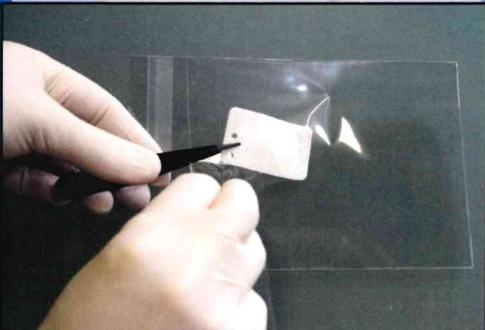
REMOVAL INSTRUCTIONS

Always wear gloves when applying or removing the patch.

PHARMCHEK® APPLICATION		<input checked="" type="checkbox"/> No
Donor Name:	MARY SMITH	COMMENTS
Donor ID:	1234	
Observer Name:	JEAN DOE	LAST USE
PHARMCHEK® No. B 5478901234		Name of Me
Date: PHARMCHEK® Applied: 12-01-2012	Observer's Initials: JD	Ins
	Donor's Initials: MS	Dates Used
TESTS ORDERED		
<input type="checkbox"/> Full 5 Drug Panel		
TREATMENT STATUS / REASON FOR SPECIMEN		
<input type="checkbox"/> 01 Random	<input type="checkbox"/> 02 Probable Cause	<input type="checkbox"/> 03 Retest
<input type="checkbox"/> 04 Medical	<input type="checkbox"/> 05 In Treatment	<input type="checkbox"/> 06 Pre-Trial
<input type="checkbox"/> 07 Surveillance (No Treatment)	<input type="checkbox"/> 08 Other:	
Donor's Sign		Observer's Sign
I certify that I		



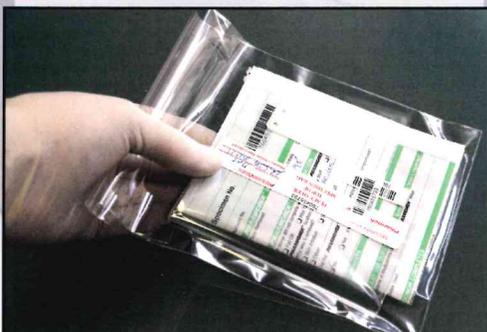
1. Verify that the number listed on the patch matches that of the number printed on the donor's original chain of custody form.
2. Place your index finger over the corner of the pad, while you instruct the donor to pull down ONLY the top edge of the film to release it from the skin.
3. With the tweezers in hand, continue to pull down the film to expose the top of the pad. Clamp the tweezers over the pad. In one fluid motion, pull up on the pad, as you pull down the film.



by the PHARMCHEK® procedures.	on this form in accordance with the numbered security seal and barcode have verified that the specimen numbers are identical.
<i>[Signature]</i>	Observer's Signature <i>[Signature]</i>
	
760413348	760413348
SECURITY SEAL	PLACE OVER



4. Promptly place the pad into the small specimen bag and seal. Discard the film! DO NOT place anything, other than the pad, into the specimen bag.
5. Affix a barcode sticker from the chain-of-custody form to the outside of the specimen bag. Complete the chain-of-custody form in the donor's presence. Both the observer and the donor MUST sign in the required spaces.
6. Place the seal from the chain-of-custody form across the folded edge of the specimen bag. Both the observer and the donor must initial the seal.



7. Place specimen bag containing the pad, along with the 2nd ply of the chain-of-custody form into the transport bag, and seal. Affix a barcode label to the outside and insert into the brown laboratory mailer (provided).

For Timely Delivery: Return address must be placed on the top left-hand corner of shipping envelope.

Mail specimen to:
Clinical Reference Lab, Inc.
PO Box 218991
Kansas City, MO 64121-7263