

OR SERIES · ORAL FLUID DRUG SCREEN

OR:14A

A 13 drug plus alcohol oral fluid screen for workplace testing, in-office or at the clinic. Observed collection, no bathroom, and results in 3 to 10 minutes.

13	+ ALC	2	3 to 10
drug tests	alcohol pad	read sides	minute read

Specimen	Oral fluid (saliva), observed collection
Alcohol	Yes, 0.02% relative BAC
Opiates	40 ng/mL
Fentanyl	10 ng/mL
Marijuana	12 ng/mL, calibrated to THC-COOH
Saturation indicator	Yes
Drug names	Printed on the device (direct read)
Product use	Workplace (Employment use only)
Package insert	B21250-08

01 What the OR:14A detects

Grouped by drug type. The number is the cutoff in ng/mL of oral fluid. Oral fluid cutoffs are much lower than urine cutoffs because drug levels in saliva are lower.

OPIOIDS AND OPIOID-LIKE

Buprenorphine	BUP	5
Fentanyl	FEN	10
Methadone	MTD	30
Opiates	OPI	40
Oxycodone	OXY	20

STIMULANTS

Amphetamine	AMP	50
Cocaine	COC	20
Ecstasy (MDMA)	MDMA	50
Methamphetamine	MET	50

SEDATIVES

Barbiturates	BAR	50
Benzodiazepines	BZO	10

CANNABINOIDS

Marijuana	THC	12

HALLUCINOGENS AND DISSOCIATIVES

Phencyclidine	PCP	10

ALCOHOL

Alcohol	ALC	0.02%

This data sheet is a summary. The package insert in the box (B21250-08) is the official document for product performance. That insert covers a family of devices and lists drugs that are not on this one. Only the 13 drugs and alcohol pad on this sheet are on the OR:14A.

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02 The device at a glance

Drug strips sit on two sides of the device. Labb Station reads them in order, so always scan Side 1 first, then Side 2. The alcohol pad is the last position on Side 2.

1 Side 1

Scan first · 6 strips

CODE	DRUG	CUTOFF
THC	Marijuana	12
COC	Cocaine	20
AMP	Amphetamine	50
OPI	Opiates	40
MET	Methamphetamine	50
PCP	Phencyclidine	10

2 Side 2

Scan second · 7 strips + alcohol pad

CODE	DRUG	CUTOFF
BZO	Benzodiazepines	10
BUP	Buprenorphine	5
MTD	Methadone	30
MDMA	Ecstasy (MDMA)	50
OXY	Oxycodone	20
BAR	Barbiturates	50
FEN	Fentanyl	10

ALCOHOL COLOR PAD · SIDE 2 · READ AT 2 MINUTES AGAINST THE COLOR CHART — **ALC 0.02%**

03 Collect and run the test in 8 steps

1 Wait 10 minutes
The donor must not put anything in the mouth, including food, drink, gum, or tobacco, for at least 10 minutes before collection.

2 Warm up
Let the pouch, device, and any controls reach room temperature, 59 to 86°F (15 to 30°C).

3 Pool oral fluid
Have the donor press the tongue against the upper and lower jaw to build up oral fluid.

4 Collect
Remove the collector from the pouch. The donor swabs around the gums on both sides and under the tongue, chews the sponge gently, then holds it under the tongue for a total of 2 to 3 minutes until fully saturated. No hard spots should be felt.

5 Insert and screw down
Place the saturated collector into the device and screw it down fully to press the oral fluid out of the sponge. Set the device on a clean, level surface.

6 Start the timer
Remove the peel off label, wait for flow to appear in the test windows, then start the timer. If nothing migrates after 3 minutes, rotate the device 4 to 5 times.

7 Read alcohol at 2 min
Compare the alcohol pad to the color chart.

8 Read at 3 to 10 min
If every line is clear at 3 minutes, the test is negative. If any line is missing at 3 minutes, read again at 10 minutes. Do not read after 10 minutes. Scan Side 1, then Side 2.

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04 How to read a drug strip

Each strip has a control line (C) and a test line (T). On this test, a line at T means negative. No line at T means positive.



Negative

A line at C **and** a line at T. Even a very faint T line counts as negative. If every line is clear at 3 minutes, you are done.



Preliminary positive

A line at C and **no** line at T. Confirm at 10 minutes, then send for laboratory confirmation.



Invalid

No line at C. Usually too little oral fluid or a procedure error. Retest with a new device. If it happens again, contact Labb.

Read each strip on its own. Do not compare lines between strips or between sides.

Line darkness means nothing. Color, darkness, and width carry no meaning.

Alcohol is read separately. Use the color chart at 2 minutes, not the line rules above.

05 Before you act on a result

A POSITIVE IS PRELIMINARY

The OR:14A gives a qualitative screen only. A positive does not show how much drug is present or how it was taken, and it cannot tell an illicit drug from a prescribed medicine. **Confirm every positive at a laboratory.** GC/MS is the preferred method.

A NEGATIVE IS NOT A GUARANTEE

A drug can be present below the cutoff and still read negative. Oral fluid shows recent use, generally hours to a few days, so it will not catch use from further back the way a urine test can.

STORING THE DEVICES

Keep devices in the sealed pouch at 35.6 to 86°F (2 to 30°C). Do not freeze. Above 86°F the alcohol pad may degrade. If refrigerated, bring to room temperature before opening. Leave each device in its pouch until use, and do not use past the expiration date.

HANDLING SPECIMENS

Use only the collector supplied with the device. Oral fluid from any time of day can be used. Because the device has an alcohol pad, test within 2 hours at room temperature or 4 hours refrigerated. Oral fluid is not classed as a biological hazard unless it comes from a dental procedure. Discard the used collector and device according to local rules.

QUALITY CONTROL

Every strip has a built in control. The C line confirms enough oral fluid, proper wicking, and correct technique.

06 How sensitive is it?

The package insert tested each drug strip used on the OR:14A with drug free samples spiked at set levels around the cutoff, 30 tests at each level.

AT 50% BELOW CUTOFF

All 30 samples read negative for every drug on this device.

AT THE CUTOFF

Results split roughly evenly between positive and negative, as expected for a test set at that level.

AT 50% ABOVE CUTOFF

All 30 samples read positive for every drug on this device.

Method comparison accuracy figures against GC/MS are not published in package insert B21250-08.

07 Drug by drug

Listed A to Z. Each card shows the cutoff, what the drug is, a practical note, and the other compounds that also trigger the strip. The calibrator is listed first in bold. A compound triggers the strip at the concentration shown or higher.

STIMULANTS · SIDE 1

Amphetamine

AMP 50 ng/mL

A stimulant prescribed for ADHD and narcolepsy and also sold illegally.

DETECTION WINDOW IN ORAL FLUID

Appears 5 to 10 minutes after use; detectable up to 72 hours

Good to know. MDA and D,L-amphetamine trigger at 100 ng/mL. L-amphetamine, found in some over the counter nasal inhalers, needs 25,000. A valid prescription can explain a positive.

ALSO READS POSITIVE AT (NG/ML)

d-Amphetamine	**50**
D,L-Amphetamine	100
p-Hydroxyamphetamine	100
MDA	100
Tryptamine	12,500
Methoxyphenamine	12,500
β-Phenylethylamine	25,000
L-Amphetamine	25,000

SEDATIVES · SIDE 2

Barbiturates

BAR 50 ng/mL

Sedatives used for seizures, sleep, and anxiety. Effects resemble alcohol intoxication.

Good to know. Phenobarbital, a common seizure medicine, triggers at the cutoff. Butalbital, found in some headache medicines, needs 1,500.

ALSO READS POSITIVE AT (NG/ML)

Secobarbital	**50**	Allobarbital	100
Butabarbital	40	Amobarbital	800
Talbutal	40	5,5-Diphenylhydantoin	1,500
Phenobarbital	50	Barbital	1,500
Aprobarbital	80	Butalbital	1,500
Butethal	90	Pentobarbital	1,500
Alphenol	100	Cyclopentobarbital	5,000

SEDATIVES · SIDE 2

Benzodiazepines

BZO 10 ng/mL

Anti-anxiety and sleep medicines such as alprazolam (Xanax), diazepam (Valium), clonazepam (Klonopin), and lorazepam (Ativan).

Good to know. Alprazolam triggers at the 10 ng/mL cutoff and clonazepam at 20, but diazepam needs 80 and lorazepam 150, so a negative does not rule those out.

ALSO READS POSITIVE AT (NG/ML)

Oxazepam	**10**	Bromazepam	40
Alprazolam	10	Chlordiazepoxide	40
Clobazam	10	Delorazepam	40
Desalkylflurazepam	10	Nordiazepam	40
Flunitrazepam	10	α-Hydroxyalprazolam	80
Nitrazepam	10	Diazepam	80
Norchlordiazepoxide	10	Lorazepam	150
RS-Lorazepam glucuronide	10	Triazolam	150
Temazepam	10	Estazolam	300
Clonazepam	20	Midazolam	300
Clorazepate dipotassium	20		

OPIOIDS AND OPIOID-LIKE · SIDE 2

Buprenorphine

BUP 5 ng/mL

An opioid used to treat opioid addiction (Suboxone, Subutex) and for pain. Half-life is 20 to 73 hours.

Good to know. A positive is expected for donors in a buprenorphine treatment program. Norbuprenorphine, its main breakdown product, triggers at 25 ng/mL.

ALSO READS POSITIVE AT (NG/ML)

Buprenorphine	**5**
Norbuprenorphine	25
Buprenorphine 3-D-glucuronide	25
Norbuprenorphine 3-D-glucuronide	50

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STIMULANTS · SIDE 1

Cocaine

COC 20 ng/mL

A powerful stimulant. In oral fluid the strip finds both cocaine and its breakdown product benzoylecgonine.

DETECTION WINDOW IN ORAL FLUID

Appears 5 to 10 minutes after use; detectable up to 24 hours

Good to know. Cocaine itself triggers at the cutoff, and cocaethylene (cocaine used with alcohol) at 30 ng/mL.

ALSO READS POSITIVE AT (NG/ML)

Benzoylecgonine	**20**
Cocaine	20
Cocaethylene	30
Ecgonine	1,500
Ecgonine methyl ester	12,500

STIMULANTS · SIDE 2

Ecstasy (MDMA)

MDMA 50 ng/mL

A party drug sold as ecstasy or molly. Raises heart rate and blood pressure and alters mood and perception.

Good to know. MDE, a closely related drug, triggers at 30 ng/mL. MDA needs 300 on this strip, but the amphetamine strip catches it at 100. MDMA also triggers the MET strip at 50.

ALSO READS POSITIVE AT (NG/ML)

MDMA HCl	**50**
MDE	30
MDA HCl	300
l-Methamphetamine	25,000

OPIOIDS AND OPIOID-LIKE · SIDE 2

Fentanyl

FEN 10 ng/mL

A synthetic opioid roughly 100 times stronger than morphine and a leading cause of overdose deaths.

Good to know. Norfentanyl, fentanyl's breakdown product, triggers at 8 ng/mL, below the cutoff.

ALSO READS POSITIVE AT (NG/ML)

Fentanyl	**10**
Norfentanyl	8
Buspirone	20,000
Fenfluramine	25,000
Sufentanil	25,000
Alfentanil	300,000

CANNABINOIDS · SIDE 1

Marijuana

THC 12 ng/mL

The main active ingredient in cannabis. This strip is calibrated to THC-COOH, the breakdown product of THC.

DETECTION WINDOW IN ORAL FLUID

Up to about 14 hours after use

Good to know. Oral fluid catches recent use rather than use days ago. The delta-8 THC breakdown product also triggers at 12 ng/mL. Parent THC needs 10,000 ng/mL on this strip.

ALSO READS POSITIVE AT (NG/ML)

11-nor-Δ9-THC-9-COOH	**12**
11-nor-Δ8-THC-9-COOH	12
Δ8-THC	6,000
Δ9-THC	10,000
Cannabinol	12,500

OPIOIDS AND OPIOID-LIKE · SIDE 2

Methadone

MTD 30 ng/mL

A long acting opioid prescribed for pain and for opioid addiction treatment. Effects last 12 to 48 hours.

Good to know. A positive is expected for donors in a methadone treatment program. LAAM, a related treatment drug, triggers at 200 ng/mL.

ALSO READS POSITIVE AT (NG/ML)

Methadone	**30**
LAAM	200
Disopyramide	400
(+)-Chlorpheniramine	6,250
Doxylamine	12,500
Nor-LAAM	12,500

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STIMULANTS · SIDE 1

Methamphetamine

MET 50 ng/mL

A highly addictive stimulant, almost always made in illegal labs.

DETECTION WINDOW IN ORAL FLUID

Appears 5 to 10 minutes after use; detectable up to 72 hours

Good to know. MDMA (ecstasy) triggers this strip at the 50 ng/mL cutoff. Ephedrine and p-hydroxymethamphetamine trigger at 400.

ALSO READS POSITIVE AT (NG/ML)

d-Methamphetamine	**50**	Procaine	2,000
MDMA	50	l-Phenylephrine	6,250
Ephedrine	400	Methoxyphenamine	25,000
p-Hydroxymethamphetamine	400	Benzphetamine	25,000
Mephentermine	1,500	Fenfluramine	60,000

OPIOIDS AND OPIOID-LIKE · SIDE 1

Opiates

OPI 40 ng/mL

Drugs from the opium poppy: morphine, codeine, and heroin.

DETECTION WINDOW IN ORAL FLUID

Codeine appears within 1 hour of a dose and stays 7 to 21 hours

Good to know. Codeine and 6-MAM trigger at 25 ng/mL, heroin at 50, and hydrocodone and hydromorphone at 100. Oxycodone barely registers here; the OXY strip covers it.

ALSO READS POSITIVE AT (NG/ML)

Morphine	**40**	Levorphanol	400
Codeine	25	Thebaine	2,000
Ethylmorphine	25	Norcodeine	6,250
6-Monoacetylmorphine	25	Nalorphine	10,000
Heroin (diacetylmorphine)	50	Normorphine	25,000
Morphine 3-β-D-glucuronide	50	Oxycodone	25,000
Hydrocodone	100	Oxymorphone	25,000
Hydromorphone	100		

OPIOIDS AND OPIOID-LIKE · SIDE 2

Oxycodone

OXY 20 ng/mL

A widely prescribed opioid (OxyContin, Percocet, Percodan).

Good to know. Oxymorphone, oxycodone's breakdown product, triggers at 40 ng/mL. A valid prescription can explain a positive.

ALSO READS POSITIVE AT (NG/ML)

Oxycodone	**20**
Oxymorphone	40
Hydrocodone	1,500
Naloxone	5,000
Naltrexone	5,000
Hydromorphone	10,000
Levorphanol	10,000

HALLUCINOGENS AND DISSOCIATIVES · SIDE 1

Phencyclidine

PCP 10 ng/mL

A hallucinogen known as angel dust. It passes from the blood into oral fluid.

Good to know. 4-Hydroxyphencyclidine, a breakdown product, needs 2,500 ng/mL.

ALSO READS POSITIVE AT (NG/ML)

Phencyclidine	**10**
4-Hydroxyphencyclidine	2,500

ALCOHOL · COLOR PAD

Alcohol

ALC 0.02% relative BAC

A color pad, not a line strip. It turns blue in the presence of alcohol, from light blue at 0.02% to dark blue near 0.30% relative blood alcohol. Compare the pad to the color chart at 2 minutes.

Good to know. The pad is very sensitive. Alcohol vapor from disinfectants, perfume, or glass cleaner in the room, and medicines or mouthwash containing alcohol, can turn it positive. Test in a vapor free area. Any blue lighter than the 0.02% block still counts as positive.

REACTS WITH

Ethyl alcohol	**0.02%**
Methyl alcohol	reacts
Allyl alcohol	reacts

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08 Labb Station

A digital read, free of collector bias. Labb Station is Labb's app for reading rapid drug tests on a phone or tablet. It captures an image of each result, time stamps it, and stores it against the donor record.

The OR:14A is a two sided read. Scan Side 1, rotate the device, then scan Side 2. Labb Station is covered by US Patent 10,340,032.

GETTING LABB STATION

Available on the Apple App Store and Google Play. Accounts are open to professional drug testing facilities, clinics, occupational health facilities, and in house workplace programs running at least 25 tests a month.

MORE FROM LABB

The OR Series is one of many Labb testing products. See the full catalog at labb.com.

Labb Station, Labb tablet readers, and OR Series rapid drug screens are manufactured for Labb. This data sheet does not replace the package insert, and its contents may be outdated. Always refer to package insert B21250-08 in the box.

OR:14A Data Sheet · Version 4.00

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