

# **DIAQUICK Multi-Drug Panels**

for human urine samples Multi-3 Drug Panel BZO,COC,MOP **REF Z06576CE** Cont.: 30 Panels, individually packed (30x REF Z06576B) Multi-3/1 Drug Panel BUP, MOP, MTD - REF Z09577CE Cont.: 30 Panels, individually packed (30x REF Z09577B) Multi-4 Drug Panel AMP,COC,MOP,THC Cont.: 30 Panels, individually packed (30x REF Z02575B) REF Z02575CE Multi-5/3 Drug Panel - REF Z06502CE AMP,COC,MET,MOP,THC Cont.: 30 Panels, individually packed (30x REF Z06502B) Multi-5/4 Drug Panel AMP,COC,MDMA,MOP,THC Cont.: 30 Panels, individually packed (30x REF Z11504B) **REF Z11504CE** AMP,BZO,COC,MOP,THC Cont.: 30 Panels, individually packed (30x REF Z06506B) Multi-5/6 Drug Panel - REF Z06506CE Multi-6 Drug Panel BZO,COC,MET,MOP,MTD,THC REF Z98907CE Cont.: 30 Panels, individually packed (30x REF Z98907B) Multi-6/1 Drug Panel AMP, BZO, COC, MET, MOP, THC - REF Z03220CE Cont.: 30 Panels, individually packed (30x REF Z03220B) Multi-6/4 Drug Panel - REF Z08940CE AMP.BUP.BZO.MET.MOP.THC Cont.: 30 Panels, individually packed (30x REF Z08940B) Multi-6/7 Drug Panel BUP,BZO,COC,MOP,MTD,THC **REF Z09970CE** Cont.: 30 Panels, individually packed (30x REF Z09970B) Multi-6/10 Drug Panel AMP,BZO,COC,MOP,MTD,THC - REF Z11911CE Cont.: 30 Panels, individually packed (30x REF Z11911B) Multi-7 Drug Panel - REF Z12730CE AMP, BUP, BZO, COC, MTD, MOP, THC Cont.: 30 Panels, individually packed (30x REF Z12730B) Multi-10 Drug Panel - REF Z06230CE AMP, BAR, BZO, COC, MDMA, MET, MOP, MTD, TCA, THC Cont.: 30 Panels, individually packed (30x REF Z04230B) Cont.: 10 Panels, individually packed (10x REF Z04230B) REF Z04231CE Multi-10/1 Drug Panel AMP, BAR, BZO, BUP, COC, MDMA, MET, MOP, MTD, THC Cont.: 30 Panels, individually packed (30x REF Z05235B) Cont.: 10 Panels, individually packed (10x REF Z05235B) REF Z06235CE REF Z06236CE Multi-10/3 Drug Panel AMP, BZO,COC,MDMA,MOP,MTD,OPI,PCP,TCA,THC REF Z06103CE Cont.: 30 Panels, individually packed (30x REF Z06103B) Multi-10/4 Drug Panel AMP,BAR,BUP,BZO,COC,MDMA,MET,MTD,OPI,THC - REF Z06104CE Cont.: 30 Panels, individually packed (30x REF Z06104 Cont.: 30 Panels, individually packed (30x REF Z06104B) Multi-10/6 Drug Panel AMP, BAR, BZO, COC, MET, MOP, MTD, PCP, TCA, THC REF Z06106CE Cont.: 30 Panels, individually packed (30x REF Z06106B) Multi-10/7 Drug Panel AMP, BAR, BZO, COC, MET, MTD, OPI, PCP, TCA, THC Cont.: 30 Panels, individually packed (30x REF Z06107B) - REF Z06107CE All products contain a package insert!

For in vitro diagnostic use only. For use by medical professionals only. For diagnosis and therapeutic monitoring only.

#### INTENDED USE

The DIAQUICK Multi-Drug Panels (urine) are rapid, lateral flow chromatographic immunoassays

Parameter	Code	Calibrator Substance	Cut-off
Amphetamine	AMP	d-Amphetamine	1 000 ng/mL
Barbiturates	BAR	Secobarbital	300 ng/mL
Buprenorphine	BUP	Buprenorphine	10 ng/mL
Benzodiazepines	BZO	Oxazepam	300 ng/mL
Cocaine	COC	Benzoylecgonine	300 ng/mL
Ethylglucuronide	ETG	Ethyl-β-D-Glucuronide	500 ng/mL
Fentanyl	FYL	Norfentanyl	20 ng/mL
Ketamine	KET	Ketamine	1 000 ng/mL
Ecstasy	MDMA	(±) 3,4-Methylenedioxymethamphetamine HCl	500 ng/mL
Methamphetamine	MET	d-Methamphetamine	1 000 ng/mL
Opiates, Morphine, Heroine	MOP	Morphine	300 ng/mL
Methadone	MTD	Methadone	300 ng/mL
Opiate, Morphine, Heroine	OPI	Morphine	2 000 ng/mL
Phencyclidine	PCP	Phencyclidine	25 ng/mL
Tricyclic Antidepressants	TCA	Nortriptyline	1 000 ng/mL
Marihuana/Cannabis	THC	11-nor-Δ9-THC-9-COOH	50 ng/mL
Tramadol	TRA	cis-Tramadol	100 ng/mL

This test will detect other related compounds, please refer to the Analytical Specificity table in this insert. This assay provides only a preliminary analytical test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Clinical consideration and professional judgment should be applied to any drug of abuse test result, particularly when preliminary positive results are obtained. For in vitro diagnostic use only

#### TEST PRINCIPLE

The DIAQUICK Multi-Drug Panels (urine) are immunoassays based on the principle of competitive binding. Drugs which may be present in the urine specimen compete against their respective drug conjugate for binding sites on their specific antibody. During testing, a urine spectree uting conjugate for binding sites on their spectre antibody. During testing, a urine spectree nigress upward by capillary action. A drug, if present in the urine specimen below its cut-off concentration, will not saturate the binding sites of its specific antibody coated on the particles. The antibody coated particles will then be captured by the immobi-lized drug conjugate and a visible colored line will show up in the test line region of the specific drug strip. The colored line will not form in the test line region if the drug level is above its cut-off concentration because it will saturate all the binding sites of the antibody coated on the particles. A drug-positive urine specimen will not generate a colored line in the specific test line region of the strip because of drug competition, while a drug-negative urine specimen or a specimen containing a drug concentration less than the cut-off will generate a line in the test line region. To serve as a procedural control, a colored line will always appear at the control line region indicating that proper volume of specimen has been added and membrane wicking has occurred.

#### WARNINGS AND PRECAUTIONS

For medical and other in vitro diagnostic use only. Do not use after the expiration date.

- The test panel should remain in the sealed pouch until use
- All specimens should be considered potentially hazardous and handled in the same manner as an infectious agent.

The used test panels should be discarded according to federal, state and local regulations

# REAGENTS

Each test line contains anti-drug mouse monoclonal antibody and corresponding drug-protein conjugates. The control line contains goat anti-rabbit IgG polyclonal antibodies and rabbit IgG.

#### STORAGE

The DIAQUICK Multi-Drug Panels can be stored refrigerated or at room temperature (2-30°C). The test panel is stable through the expiration date printed on the sealed pouch. The test panel must remain in the sealed pouch until use. DO NOT FREEZE. Do not use beyond the expiration date

# SAMPLE COLLECTION AND PREPARATION

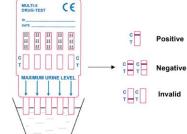
The urine must be collected in a clean and dry container. Urine collected at any time of the day may be used. Urine specimens exhibiting visible precipitations should be centrifuged, filtered or allowed to settle to obtain a clear specimen for testing. Urine specimens may be stored at 2-8°C for up to 48 h prior to testing. For prolonged storage, specimens may be frozen and stored below -20°C. Frozen specimens should be thawed and mixed before testina.

# ASSAY PROCEDURE

Allow the test panel, urine specimen, and/or controls to equilibrate to room temperature (15-30°C) prior to testing

Remove the test panel from the sealed pouch and use it as soon as possible.

2. Take off the protective cap plugged on the test panel. With arrows pointing towards the urine specimen, immerse the test panel vertically into the urine specimen for 10-15 seconds. Do not allow the urine sample to touch the plastic cassette when immersing the test device into the urine sample. Avoid immersion of the cassette deeper than the mark indicated with the arrows on the device and avoid any direct contact of the sample with the test region.



Put the protective cap back onto 3.

the test panel. Place the test panel on a non-absorbent flat surface, start the timer and wait for the red line(s) to appear. Read the results at 5 minutes. Do not interpret results after 10 minutes.

#### INTERPRETATION OF RESULTS

NEGATIVE: A colored line in the control region (C) and a colored line in the test line region (T) for a specific drug indicate a negative results. This indicates that the drug concentration in the urine specimen is below the designated cut-off level for that specific drua

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

POSITIVE: A colored line in the control line region (C) but no line in the test line region (T) for a specific drug indicates a positive results. This indicates that the drug concentra-tion in the urine specimen exceeds the designated cut-off level.

INVALID: Control line fails to appear. Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for control line failure. 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

#### QUALITY CONTROL

A procedural control is included in the test. A red line appearing in the control region (C) is considered an internal procedural control. It confirms sufficient speciarem volume, adequate membrane wicking and correct procedural technique. Control standards are not supplied with this kit, however, it is recommended that positive and negative controls be tested as good laboratory practice to confirm the test procedure and to verify proper test performance.

#### LIMITATIONS

- The DIAQUICK Multi-Drug Panels (urine) provide only a preliminary analytical result. A 1. more specific chemical method must be used to obtain a confirmed result. Gas chroma-tography/mass spectrometry (GC/MS) is the preferred confirmatory method.
- It is possible that technical or procedural errors, as well as other interfering substances in the urine specimen may cause erroneous results. 2.
- Adulterants, such as bleaching agents in urine specimens may produce erroneous results regardless of the analytical method used. If adulteration is suspected, the test 3. should be repeated with another urine specimen. A positive result indicates presence of the drug or its metabolites but does not indicate
- 4. the level of intoxication, administration route or concentration in urine.
- 5. A negative result may not necessarily indicate drug-free urine. Negative results can be
- obtained if a drug is present but below the cut-off level of the test. The DIAQUICK Multi-Drug Panels (urine) do not distinguish between drugs of abuse 6. and certain medications
- A positive result might be obtained from certain foods or food supplements. 7
- PERFORMANCE CHARACTERISTICS

# ACCURACY

A side-bv-side comparison of the DIAQUICK Multi-Drug Panels and a commercially available collected from subjects present for drug screen testing. The agreement was > 99.9 % for all

A side-by-side comparison of the DIAQUICK DOA Dipsticks and GC/MS at the cut-off level of the tests was conducted. Testing was performed on 250 specimens previously collected from subjects present for drug screen testing. The following results were tabulated.

## 0/ A -----

% Agreement with GC/MS			
	Positive Agreement	Negative Agreement	Total Results
AMP	98,1 %	97,9 %	98.0 %
BAR	96,1 %	98,6 %	97,6 %
BUP	99,1 %	> 99,9 %	99,6 %
BZO	98,4 %	99,2 %	98,8 %
COC	98,2 %	97,8 %	98,0 %
ETG	97,6 %	99,4 %	98,8 %
FYI	98.8 %	99.4 %	99.2 %



KET	97,5 %	98,2 %	98,0 %
MDMA	98,1 %	99,3 %	98,8 %
MET	96,2 %	97,1 %	96,8 %
MOP	95,0 %	95,3 %	95,2 %
MTD	98,9 %	98,8 %	98,8 %
OPI	96,7 %	93,8 %	95,2 %
PCP	92,4 %	96,8 %	95,2 %
TCA	94,8 %	91,6 %	92,8 %
THC	97,9 %	98,1 %	98,0 %
TRA	88,2 %	92,4 %	90,8 %

### ANALYTICAL SPECIFICITY

The following tables lists the concentration of compounds (ng/mL) that are detected positive in urine by the DIAQUICK Multi-Drug Panels (urine) at 5 minutes.

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AMPHETAMINE	AMP	BARBITURATES	BAR
D,L-Amphetamine sulfate	300	Amobarbital	5 000
-Amphetamine	25 000	5,5-Diphenylhydantoin	8 000
±) 3,4-Methylenedioxyamphetamine		Allobarbital	600
Phentermine	800	Barbital	8 000
Maprotiline	50 000	Talbutal	200
Methoxyphenamine	6 000	Butalbital	8 000
D-Amphetamine	1 000	Phenobarbital	300
	BUP		
BUPRENORPHINE		Cyclopentobarbital	30 000
Buprenorphine	10	Pentobarbital	8 000
Norbuprenorphine	50	Alphenol	600
Buprenorphine 3-D-Glucuronide	50	Aprobarbital	500
Norbuprenorphine 3-D-Glucuronide	100	Butabarbital	200
BENZODIAZEPINES	BZO	Butethal	500
Alprazolam	100	Secobarbital	300
a-hydroxyalprazolam	1 500	COCAINE	COC
Bromazepam	900	Benzoylecgonine	300
Chlordiazepoxide	900	Cocaine HCI	200
Clobazam	200	Cocaethylene	20 000
Clonazepam	500	Ecgonine HCI	30 000
Clorazepate dipotassium	500	ETHYLGLUCURONIDE	ETG
Delorazepam	900	Ethyl-β-D-Glucuronide	500
Desalkylflurazepam	200	Propyl-β-D-Glucuronide	50 000
Diazepam	300	Morphine-3-β-Glucuronide	100 000
Estazolam	6 000	Morphine-3-β-Glucuronide	100 000
Flunitrazepam	200	Glucuronic Acid	100 000
±) Lorazepam	3 000	Ethanol	100 000
RS-Lorazepam glucuronide	200	Methanol	100 000
Midazolam	6 000	FENTANYL	FYL
Nitrazepam	200	Alfentanyl	600 000
Norchlordiazepoxide	100	Fenfluramine	50 000
Nordiazepam	900	Norfentanyl	20
Oxazepam	300	Busporine	15 000
Temazepam	100	Fentanyl	100
Friazolam	3 000	Sufentanyl	50 000
KETAMINE	KET	ECSTASY	MDMA
Ketamine	1 000	(±) 3,4-Methylenedioxymethamphetamine HCl	500
Benzphetamine	25 000	(±) 3,4-Methylenedioxyamphetamine HCI (MDA)	3,000
+) Chlorpheniramine	25 000	3,4-Methylenedioxyethyl-amphetamine (MDE)	300
	100 000	METHAMPHETAMINE	MET
Clonidine			
Dextromethorphan	2 000	p-Hydroxymethamphetamine	25 000
Disopyramide	25 000	D-Methamphetamine	1 000
EDDP	50 000	L-Methamphetamine	20 000
Mephentermine	25 000	(±)-3,4-Methylenedioxymethamphetamine	12 500
1R, 2S) - (-)-Ephedrine	100 000	Mephentermine	50 000
1-Hydroxyphencyclidine	50 000	MORPHINE	MOP
_evorphanol	50 000	Codeine	200
MDE	50 000	Ethylmorphine	6 000
Fetrahydrozoline	500	Hydrocodone	50 000
d-Methamphetamine	50 000	Hydromorphone	3 000
-Methamphetamine	50 000	Levorphanol	1 500
Methoxyphenamine	25 000	6-Monoacethylmorphine	300
+)3,4-Methylendioxymethamphetamine	100 000	Morphine 3-β-D-glucuronide	800
d-Norpropoxyphene	25 000	Morphine	300
Pentazocine	25 000	Norcodeine	6 000
	25 000	Normorphone	50 000
Phencyclidine			30 000
Promazine	25 000	Oxycodone	
Promethazine	25 000	Oxymorphone	50,000
Thioridazine	50 000	Procaine	15,000
Meperidine	25 000		6,000
METHADONE	MTD	TRICYCLIC ANTIDEPRESSANTS	TCA
Methadone	300	Nortriptyline	1 000
Doxylamine	100 000	Nordoxepine	500
Cis-tramadol	300 000	Trimipramine	3 000
OPIATES	OPI	Amitriptyline	1 500
Codeine	UFI		3 000
	2 000	Promazine	
Ethylmorphine		Desipramine	200
Ethylmorphine	2 000 3 000	Desipramine	
Ethylmorphine Hydrocodone	2 000 3 000 50 000	Desipramine Cyclobenzaprine	2 000
Ethylmorphine Hydrocodone Hydromorphone	2 000 3 000 50 000 15 000	Desipramine Cyclobenzaprine Imipramine	2 000 400
Ethylmorphine Hydrocodone Hydromorphone Levorphanol	2 000 3 000 50 000 15 000 25 000	Desipramine Cyclobenzaprine Imipramine Clomipramine	2 000 400 50 000
Ethylmorphine Jydrocodone Jydromorphone evorphanol 3-Monoacetylmorphine	2 000 3 000 50 000 15 000 25 000 3 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine	2 000 400 50 000 2 000
Ethylmorphine Hydrocodone Hydromorphone Levorphanol -Monaacety/Imorphine Morphine 3-β-D-glucuronide	2 000 3 000 50 000 15 000 25 000 3 000 2 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline	2 000 400 50 000 2 000 2 000
Ethylmorphine dydrocodone Hydromorphone evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide <b>Morphine</b>	2 000 3 000 50 000 15 000 25 000 3 000 2 000 <b>2 000</b>	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine	2 000 400 50 000 2 000 2 000 50 000
Ethylmorphine Jydrocodone -Jydromorphone evorphanol S-Monoacetylmorphine Morphine 3-B-D-glucuronide Morphine Norcodeine	2 000 3 000 50 000 15 000 25 000 3 000 2 000 2 000 25 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine	2 000 400 50 000 2 000 2 000 50 000 50 000
Ethylmorphine tydrocodone tydrocodone .evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Norcodeine Norcodeine Normorphone	2 000 3 000 50 000 15 000 25 000 2 000 2 000 2 000 25 000 50 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden	2 000 400 50 000 2 000 2 000 50 000 50 000 10 000
Ethylmorphine dydrocodone -vorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Vorcodeine Normorphone Dxycodone	2 000 3 000 50 000 15 000 25 000 2 000 2 000 25 000 50 000 25 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden TRAMADOL	2 000 400 50 000 2 000 50 000 50 000 50 000 10 000 <b>TRA</b>
Ethylmorphine tydrocodone tydromorphone evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide <b>Worphine</b> Norcodeine Norcodeine Norcodene Dxycodone Dxycodone Dxymorphone	2 000 3 000 50 000 15 000 25 000 2 000	Desipramine           Cyclobenzaprine           Imipramine           Clomipramine           Doxepine           Maprotiline           Promethazine           Perphenazine           Dithiaden           TRAMADOL           n-Desmethyl-ois-tramadol	2 000 400 50 000 2 000 2 000 50 000 50 000 10 000
Ethylmorphine dydrocodone -vorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Vorcodeine Normorphone Dxycodone	2 000 3 000 50 000 15 000 25 000 2 000 2 000 25 000 50 000 25 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden TRAMADOL	2 000 400 50 000 2 000 50 000 50 000 50 000 10 000 TRA
Ethylmorphine tydrocodone tydrocodone evorphanol 8-Monoacetylmorphine Worphine 3-β-D-glucuronide Morphine Norcodeine Norcodeine Norcodone Dxycodone Dxymorphone Procaine	2 000 3 000 50 000 15 000 25 000 2 000	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden TRAMADOL n-Desmethyl-cis-tramadol Cis-tramadol	2 000 400 50 000 2 000 50 000 50 000 10 000 <b>TRA</b> 200 <b>100</b>
Ethylmorphine tydrocodone ydromorphone evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Norcodeine Normorphone Dxymorphone Dxymorphone Procaine Thebaine	2 000 3 000 50 000 15 000 25 000 2 000 2 000 25 000 25 000 25 000 25 000 25 000 25 000 25 000 25 000	Desipramine  Cyclobenzaprine  Imipramine  Clomipramine  Doxepine  Maprotiline  Promethazine  Perphenazine  Dithiaden  TRAMADOL  n-Desmethyl-cis-tramadol  Cis-tramadol  Procyclidine	2 000 400 50 000 2 000 50 000 50 000 10 000 <b>TRA</b> 200 <b>100</b> 100 000
Ethylmorphine tydrocodone ydrocorphone evorphanol S-Monoacetylmorphine Morphine 3-B-D-glucuronide Morphine Norcodeine Normorphone Dxycodone Dxycodone Dxycodone Proceine Proceine Phebaine <b>SANNABIS</b>	2 000 3 000 50 000 15 000 25 000 2 000 25 000 25 000 25 000 25 000 50 000 25 000 50 000 50 000 THC	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden TRAMADOL n-Desmethyl-cis-tramadol Cis-tramadol Procyclidine o-Desmethyl-cis-tramadol	2 000 400 50 000 2 000 50 000 50 000 10 000 <b>TRA</b> 200 <b>100</b> 100 000 10 000
Ethylmorphine tydrocodone ydrocodone evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Norcodeine Normorphone Dxycodone Dxymorphone Procaine Thebaine CANNABIS Zannabinol	2 000 3 000 50 000 15 000 25 000 2 000 2 000 25 000 35 000 25 000 25 000 35 000 25 0000 25 000 25 000 25 000 2	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden TRAMADOL n-Desmethyl-cis-tramadol Cis-tramadol Procyclidine o-Desmethyl-cis-tramadol Phencyclidine	2 000 400 50 000 2 000 50 000 50 000 10 000 <b>TRA</b> 200 <b>100</b> 100 000 10 000 100 000
Ethylmorphine 4ydromorphione evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Norcodeine Normorphone Dxymorphone Dxymorphone Procaine Thebaine CANNABIS Cannabinol 11-nor-A <sup>8</sup> -THC-9 COOH	2 000 3 000 50 000 15 000 25 000 2 000 2 000 25 000 25 000 25 000 25 000 25 000 750 000 25 000 30 000 30	Desipramine  Cyclobenzaprine  Imipramine  Clomipramine  Doxepine  Maprotiline  Promethazine  Perphenazine  Dithiaden  TRAMADOL  r-Desmethyl-cis-tramadol  Cis-tramadol  Phencyclidine  o-Desmethyl-cis-tramadol  Phencyclidine  di-D-Desmethyl venlafaxine	2 000 400 50 000 2 000 50 000 50 000 <b>10 000</b> <b>TRA</b> 200 <b>100</b> 100 000 100 000 50 000
Ethylmorphine tydrocodone ydrocodone evorphanol S-Monoacetylmorphine Morphine 3-β-D-glucuronide Morphine Norcodeine Normorphone Dxycodone Dxymorphone Procaine Thebaine CANNABIS Zannabinol	2 000 3 000 50 000 15 000 25 000 2 000 2 000 25 000 35 000 25 000 25 000 35 000 25 0000 25 000 25 000 25 000 2	Desipramine Cyclobenzaprine Imipramine Clomipramine Doxepine Maprotiline Promethazine Perphenazine Dithiaden TRAMADOL n-Desmethyl-cis-tramadol Cis-tramadol Procyclidine o-Desmethyl-cis-tramadol Phencyclidine	2 000 400 50 000 2 000 50 000 50 000 10 000 <b>TRA</b> 200 <b>100</b> 100 000 10 000 100 000

# CROSS-REACTIVITY

A study was conducted to determine the cross-reactivity of the test with compounds in either drug-free urine or drug positive urine. The following compounds did not show a cross-reactivity when tested with the DIAQUICK Multi-Drug Panels (urine) at a concentration of 100 µg/mL.

# Non Cross-Reacting Compounds:

Acetophenetidin N-Acetylprocainamide Acetylsalicylic acid Aminopyrine Amoxicillin I-Ascorbic acid Apomorphine Aspartame Atropine Benzoic acid Benzoic acid Benzoic acid Benzoic acid Bilirubin d,I-Brompheniramine Caffeine Chloranphenicol Chlorathydrate Chlorathenizide d,I-Chlorpheniramine Chloromphenizol	Deoxycorticosterone Dextromethorphan Diclofenac Diglumisal Digoxin Diphenhydramine Ethyl-p-aminobenzoate β-Estradiol Estrone-3-sulfate Erythromycin Fenoprofen Furosemide Gentisic acid Hemoglobin Hydralazine Hydrochlorothiazide Hydrocortisone o-Hydroxythippuric acid	Niacinamide Nifedipine Norethindrone Noscapine d.I-Octopamine Oxalic acid Oxolinic acid Oxymetazoline Papaverine Penicillin-G Perphenazine	d-Pseudoephedrine Quinine Salicylic acid Serotonin Sulfamethazine Sulindac Tetracycline Tetrahydrocortisone, 3-acetate Tetrahydrocortisone Tetrahydrocortisone Tetrahydrocoline Thiamine Thioridazine d,I-Tyrosine Tributamide Triamterene Trifluoperazine Trimterperazine Trimethoprim d,I-Tyrophan Uric acid
d,I-Chlorpheniramine	o-Hydroxyhippuric acid	Perphenazine	d,I-Tryptophan
Chlorpromazine	3-Hydroxytyramine	Phenelzine	Uric acid
Cholesterol	d,I-Isoproterenol	Prednisone	Verapamil
Clonidine	Isoxsuprine	d,I-Propanolol	

#### REFERENCES

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- Basett, RC. Disposition of Toxic Drugs and Chemicals in Man. 2nd Ed. Biomedical Publ., Davis, CA. 1982; 488 Tietz NW. Textbook of Clinical Chemistry. W.B. Saunders Company. 1986; 1735 Hawks RL, CN Chiang. Urine Testing for Drugs of Abuse. National Institute for Drug Abuse (NIDA), Research Monograph 73, 1986. 3.

