

## CROSS REACTIVITY - Benzodiazepines

Benzodiazepines and various potential interfering substances in a human urine matrix were tested for cross-reactivity with the systems BNZG assay. The following table summarizes the results obtained at the concentrations tested for each potential cross-reactant.

**Table 5 Cross Reactivity<sup>1</sup>**

COMPOUND	CONCENTRATION (µg/mL)	EFFECT
Oxazepam (cutoff)	0.2	Positive
Alprazolam	0.2	Positive
α-Hydroxy-Alprazolam	0.1	Positive
7-Aminoclonazepam	1.9	Positive
7-Aminoflunitrazepam	0.5	Positive
7-Aminonitrazepam	0.75	Positive
Bromazepam	0.3	Positive
Chlordiazepoxide	1.5	Positive
Clobazam	0.7	Positive
Clonazepam	0.3	Positive
Delorazepam	0.1	Positive
Desalkylflurazepam	0.1	Positive
N-Desmethyflunitrazepam	0.3	Positive
Diazepam	0.065	Positive
Flunitrazepam	0.2	Positive
Flurazepam	0.1	Positive
Halazepam	0.15	Positive
Lorazepam	0.4	Positive
Lorazepam Glucuronide	1.0	Positive
Lormetazepam	0.2	Positive
Medazepam	0.2	Positive
Midazolam	0.1	Positive

<sup>1</sup> It is possible that other substances and/or factors (e.g. technical or procedural) not listed above may interfere with the test and cause false results.

COMPOUND	CONCENTRATION (µg/mL)	EFFECT
Nitrazepam	0.3	Positive
Nordiazepam	0.07	Positive
Oxazepam Glucuronide	0.7	Positive
Prazepam	0.2	Positive
Temazepam	0.2	Positive
Temazepam Glucuronide	0.4	Positive
α-Hydroxy-Triazolam	0.15	Positive
Triazolam	0.15	Positive
Acetaminophen	1000	Negative
Acetylsalicylic Acid	1000	Negative
Albuterol	1000	Negative
d-amphetamine	1000	Negative
Caffeine	100	Negative
Codeine	1000	Negative
Dextromethorphan	1000	Negative
Diphenhydramine	500	Negative
Doxepine	1	Negative
Hydroxyzine	40	Negative
Mesoridazine	1000	Negative
Methadone	1000	Negative
Metronidazole	1000	Negative
Morphine	200	Negative
Oxaprozin	25	Negative
Pemoline	1000	Negative
Phencyclidine	1000	Negative
Promethazine	100	Negative
Propoxyphene	1000	Negative
Secobarbital	1000	Negative

COMPOUND	CONCENTRATION ( $\mu\text{g}/\text{mL}$ )	EFFECT
Sertraline	500	Negative
Tramadol	1000	Negative
Trazodone	1000	Negative
Trimipramine	100	Negative
Trimethoprim	1000	Negative
Zolpidem	100	Negative