

## **Point of Care Testing Considerations - Benzodiazepine**

Point-of-care testing (POCT) devices may result in a false positive for benzodiazepines in patients who are taking certain prescription, illicit, or over-the-counter drugs/medications. Cross reactivity can occur with this type of testing among drugs with similar chemical structures. Please see below for a list of drugs which may cause a false positive for benzodiazepines on POCT. Please refer to the package insert that came with the POCT device being used or contact the manufacturer for more information regarding which drugs may cause false positive results as this information may differ among devices and manufacturers.

*Patients taking Multiple Anti-Depressants, and Mutiple Mental Health Medications is the most common cause of Benzodiazepine false positives in POCT testing.*

Bactrim, in some cases, has also shown to cause a false positive result.

IMMUNOASSAY TEST	POTENTIAL DRUGS CAUSING A FALSE POSITIVE OR UNEXPECTED POSITIVE RESULT		
Benzodiazepines	Chlorpromazine Efavirenz Fenoprofen	Flurbiprofen Indomethacin Ketoprofen	Oxaprozin Sertraline Tolmetin

Compound	Effect
Oxazepam (reference drug) BENZO	Positive
Alprazolam	Positive
7-Aminoclonazepam	Positive
7-Aminoflunitrazepam	Positive
7-Aminonitrazepam	Positive
Bromazepam	Positive
Chlordiazepoxide	Positive
Clobazam	Positive
Clonazepam	Positive
Estazolam	Positive
Delorazepam	Positive
Desalkylflurazepam	Positive
N-Desmethylflunitrazepam	Positive
Diazepam	Positive
Flunitrazepam	Positive
Flurazepam	Positive
Halazepam	Positive
a-Hydroxy-alprazolam Glucuronide	Positive
Lorazepam	Positive
Lorazepam Glucuronide	Positive
Lormetazepam	Positive
Medazepam	Positive
Nitrazepam	Positive
Nordiazepam	Positive
Oxazepam Glucuronide	Positive
Prazepam	Positive
Temazepam	Positive
Temazepam Glucuronide	Positive
Triazolam	Positive