

### Food and Drug Interactions with Point-of-Care Urine Drug Tests:

Opiates	<ul style="list-style-type: none"> <li>• Poppy seeds</li> <li>• Rifampin</li> <li>• Quinolone antibiotics (ex. levofloxacin, ciprofloxacin, moxifloxacin)</li> <li>• Dextromethorphan (ex. cough and cold OTCs)</li> </ul>
Methadone	<ul style="list-style-type: none"> <li>• Quetiapine (Seroquel)</li> <li>• Doxylamine (Unisom)</li> <li>• Chlorpromazine (Thorazine)</li> </ul>
Marijuana (THC)	<ul style="list-style-type: none"> <li>• Dronabinol (Marinol)</li> <li>• Pantoprazole (Protonix)</li> <li>• Hemp seed</li> <li>• Efavirenz (Sustiva, Atripla)</li> </ul>
Cocaine	<ul style="list-style-type: none"> <li>• Coca leaf tea</li> </ul>
Methamphetamine	<ul style="list-style-type: none"> <li>• Ephedrine/pseudoephedrine</li> <li>• Trazodone</li> <li>• Bupropion</li> <li>• Desipramine</li> <li>• Amantadine</li> <li>• Ranitidine</li> <li>• Selegiline</li> <li>• Phenylpropanolamine</li> <li>• Vicks Vapor Inhaler</li> </ul>
Benzodiazepine	<ul style="list-style-type: none"> <li>• Oxaprozin (Daypro)</li> <li>• Sertaline (Zoloft)</li> </ul>

Table 3. Drug cross-reactants.

Drug Cross-Reactants	
Drug	Cross-Reactant
Cannabinoids	NSAIDs, Marinol, Protonix
Opioids	Poppy seeds, chlorpromazine, rifampin, dextromethorphan, quinine
Amphetamines	Ephedrine, methylphenidate, trazodone, bupropion, desipramine, amantadine, ranitidine, phenylpropanolamine, Vicks Vapor Spray
PCP	Chlorpromazine, thioridazine, meperidine, dextromethorphan, diphenhydramine, doxylamine
Benzodiazepine	Oxaprozin (Daypro), some herbal agents
ETOH	Asthma inhalers (sometimes)
Methadone	propoxyphene, Seroquel

Gas chromatography should confirm all positives; screening detects a presence or absence, not the concentration. Drug tests are not quantitative.

Source: Manchikanti L, et al. Protocol for accuracy of point of care (POC) or in-office urine drug testing (Immunoassay) in chronic pain patients: A prospective analysis of immunoassay and liquid chromatography tandem mass spectrometry (LC/MS/MS). *Pain Physician* 2010; 13:E1-E22 (49).