

## Important Notice to Users of MGH Chemistry Toxicology Services

Effective 8 AM Wednesday February 11, 2009 the Chemistry/Core Lab on Gray 5 will change the instruments and reagents used for urine drug testing. There will be no changes in hours of service and specimen requirements. However, the reagent changes will result in some clinical differences between the current and future methods. These differences stem from different antibody cross-reactivity profiles between the current and new immunoassays. The significant differences between the current and future assays are itemized below. In general, the new set of assays is more sensitive and specific than the current ones. Please contact Dr. Anand Dighe, Dr. James Flood, or Dr. Patrick Sluss in the Chemistry/Core lab should you have questions or concerns about these changes. Please also note that there are no changes in the urine drug screen assay used by the ED Kiosk lab.

Urine Test	Anticipated Clinical Change
6-Acetylmorphine	None
Amphetamines	None
Barbiturates	None
<b>Benzodiazepines</b>	<b>Much less sensitive to false-positives caused by sertraline or oxaprozin use.</b>
	<b>Much more sensitive at detecting clonazepam use.</b>
Buprenorphine	None
Cocaine Metabolite	None
Methadone	None
<b>Opiates</b>	<b>Much less subject to false-positives caused by quinolone antibiotics.</b>
	<b>Much less sensitive at detecting oxycodone or oxymorphone use.</b>
Oxycodone	None
<b>PCP</b>	<b>Much less subject to false-positives from dextromethorphan use</b>
THC	None