Many of the variables that affect the concentration of drugs in urine are shown. Additional details are also included below the variable.

**Temperature, pH, and/or oxidants.**

*Can alter drug concentrations and may require various combinations of assessment.*

**Creatinine, specific gravity,**

*Will alter metabolism and affect drug concentrations.*

**Genetic Variation**

*CYP450 and UGT enzymes are highly polymorphic. Certain genetic variations will alter metabolism and affect drug concentrations.*

**Adherence**

*Patients who are not adherent to their dosing regimen may have unexpected drug concentrations.*

Many of the variables that affect the concentration of drugs in urine are shown. Additional details are also included below the variable.

to decide what is best for their providers and patient population. In the end, it may be a compromise or require various combinations of results reporting.

In our laboratory, some drugs are reported quantitatively and others qualitatively. Specimens are not hydrolyzed, and cutoffs are defined at the LLOQ or LLOD. Our laboratory also is in the process of developing a systematic approach to providing result interpretation as well as an assessment of how it impacts patient care.

**References**
