



**\*Possible Explanations for Unexpected Results**

**Positive Results**

- Unexpected non-prescribed drug was taken/administered
- Drug added to urine after voiding
- Drug detected is a process impurity of the expected drug
- Cross-reacting non-drug substance(s)
- Analytical error

**Negative Results**

- Drug was not taken/administered
- Substituted or dilute urine
- Drug delivery was poor or variable
- Poor cross-reactivity for drug analytes of interest
- Test not designed to detect analyte(s) of interest

Source: McMillin, GA, et al. Demystifying Analytical Approaches for Urine Drug Testing to Evaluate Medication Adherence in Chronic Pain Management. *Journal of Pain & Palliative Care Pharmacotherapy*. 2013.