

Cocaine (urine)	
Description	Cocaine (benzoylecgonine) is a crystalline tropane alkaloid that is obtained from the leaves of the coca plant. It is a stimulant of the central nervous system and an appetite suppressant. Specifically, it is a serotonin-noradrenaline-dopamine reuptake inhibitor, which mediates functionality of such as an exogenous catecholamine transporter ligand. Because of the way it affects the mesolimbic reward pathway, cocaine is addictive.
Indication	To assess if cocaine has been taken.
Additional Info	The screening assay measures the parent compound (cocaine) and its major metabolites benzoylecgonine and benzoylecgonine methyl ester Urinary creatinine levels of <2mmol/L suggests dilute urine and may result in a false negative screen.
Concurrent Tests	Urine drugs of abuse screen
Dietary Requirements	N/A
Interpretation	A positive screen result will be produced if concentrations in the urine are >300ng/mL. The half life of morphine varies from 2-5 hours and a positive screen may be seen up to 3 days after the drug has been taken.
Collection Conditions	Fresh urine
Frequency of testing	As required