

LSD (Urine)	
Description	Hallucinogenic drug (lysergic acid diethylamide)
Indication	Suspected abuse
Additional Info	<p>LSD is a semi synthetic drug of the ergoline family. It exerts its effect primarily through binding to serotonin receptor subtype 2A.</p> <p>LSD is completely absorbed in the digestive tract after oral administration. Effects are seen after 30 mins (oral) or 5 mins (IV) with the peak effect after 1-2 hrs. Doses of 100 – 200 µg are typically required to see the full clinical effect. The acute psychological effects of LSD normally last for 6-12 hours depending on dose.</p> <p>The plasma half-life of LSD is ~3 hrs. It is metabolised in the liver to a number of metabolites which are excreted in the urine. The elimination half-life is ~3.5 hrs.</p>
Concurrent Tests	None
Dietary Requirements	None
Interpretation	<p>Detection of LSD is difficult due to the small amount of LSD that is usually taken.</p> <p>LSD and its metabolites may be detected in the urine up to 2-4 days post administration depending on the initial dose and the detection limit of the assay used.</p> <p>In most positive urine samples the major metabolite detected is 2-oxo-3-hydroxy-LSD, which is usually present at higher concentrations than LSD itself and can be detected for longer.</p>
Collection Conditions	Protect from light
Frequency of testing	As required