



Kansas Drug Category Matrix

Major Indicators	CNS Depressants	CNS Stimulants	Hallucinogens	Dissociative Anesthetics	Narcotic Analgesics	Inhalants	Cannabis
HGN	Present	None	None	Present	None	Present	None
Vertical Gaze Nystagmus	Present <i>(High dose for that individual)</i>	None	None	Present	None	Present <i>(High dose for that individual)</i>	None
Lack of Convergence	Present	None	None	Present	None	Present	Present
Pupil Size	Normal (1)	Dilated	Dilated	Normal	Constricted	Normal (4)	Dilated (6)
Reaction to Light	Slow	Slow	Normal (3)	Normal	Little or None Visible	Slow	Normal
Pulse Rate	Down (2)	Up	Up	Up	Down	Up	Up
Blood Pressure	Down	Up	Up	Up	Down	Up/Down (5)	Up
Body Temperature	Normal	Up	Up	Up	Down	Up/Down/Normal	Normal
Muscle Tone	Flaccid	Rigid	Rigid	Rigid	Flaccid	Normal or Flaccid	Normal
General Indicators	Disoriented Droopy eyelids Drowsiness Drunk-like behavior Slow, sluggish reactions Thick, slurred speech Uncoordinated Unsteady walk	Anxiety Body tremors Dry mouth Euphoric Exaggerated reflexes Excited Eyelid tremors Grinding teeth (bruxism) Increased alertness Insomnia Irritability Redness to nasal area Restlessness Runny nose Talkative	Body tremors Dazed appearance Difficulty with speech Disoriented Flashbacks Hallucinations Memory loss Nausea Paranoia Perspiring Poor perception of time and distance Synesthesia Uncoordinated *NOTE With LSD, piloerection may be observed (goose bumps, hair standing on end)	Blank stare Confusion Chemical odor Difficulty with speech Disoriented Early HGN Onset Hallucinations Incomplete verbal responses Increased pain threshold "Moon Walking" Non-communicative Perspiring Possibly violent Sensory distortions Slow, slurred speech Warm to touch	Constricted pupils Depressed reflexes Drowsiness Droopy eyelids (ptosis) Dry Mouth Euphoria Itching Nausea "On the Nod" Puncture marks Slow, low raspy speech Slowed breathing Track Marks *NOTE Tolerant users exhibit relatively little psychomotor impairment	Blood shot Confusion Disoriented Flushed face Intense headaches Lack of muscle control Non-communicative Odor of substance Possible nausea Residue of substance Slow, thick, slurred speech	Altered time/distance perception Alterations in thought formation Body Tremors Bloodshot eyes Debris in mouth Disoriented Eyelid tremors Impaired memory Increased appetite Lack of concentration Mood changes Odor of Marijuana Panic reactions Paranoia Possible Paranoia Possible vomiting Relaxed inhibition Sedation
Duration of Effects	Ultra-Short: A few minutes Short: Up to 5 hours Intermediate: 6-8 hours Long: 8-14 hours	Cocaine: 5-90 minutes Amphetamines: 4-8 hours Meth-amphetamine: 12 hours plus	Duration varies widely from one hallucinogen to another LSD: 10-12 hours Psilocybin: 2-3 hours	PCP Onset: 1-5 minutes Peak Effects: 15-30 minutes Exhibit effects up to 4-6 hours DXM Onset: 15-30 min. Effects 3-6 hours	Heroin: 4-6 hours Methadone: Up to 24 hours Others: Vary	6-8 hours for most volatile solvents Anesthetic gases & Aerosols - very short duration	2-3 hours exhibit and feels effects (impairment may last up to 24 hours, without awareness of effect.)
Usual Methods of Ingestion	Injected (occasionally) Insufflation Oral	Insufflation Injected Oral Smoked	Injected Insufflation Oral Smoked Transdermal	Eye drops Injected Insufflation Oral Smoked	Injected Insufflation Oral Smoked	Insufflation	Oral Smoked Transdermal
Overdose Signs	Clammy skin Coma Dilated pupils Rapid, weak pulse Shallow breathing	Agitation Hallucinations Increased body temperature	Long intense "trip"	Long intense "trip"	Cold, clammy skin Coma Convulsions Slow, shallow breathing	Cardiac arrhythmia Possible psychosis Respiration ceases Severe nausea or vomiting Risk of death	Excessive vomiting Fatigue Paranoia Possible psychosis
Footnote: These indicators are the most consistent with the drug categories. Keep in mind that there may be variations due to individual reaction, dose taken and drug interactions.				Normal Ranges			
<ol style="list-style-type: none"> SOMA, Quaaludes and some Antidepressants usually dilate pupils Quaaludes, ETOH and some Antidepressants may elevate Certain psychedelic amphetamines may cause slowing Normal, but may be dilated Down with anesthetic gases, up with volatile solvents and aerosols Pupil size possibly normal 				Pulse – 60-90 beats per minute Pupil Size – Room Light - 2.5-5.0mm Near Total Darkness - 5.0-8.5mm Direct Light - 2.0-4.5mm Blood Pressure – 120-140 Systolic / 70-90 Diastolic Body Temperature – 98.6 +/- 1 degree			