

Beechtree Laboratories is excited to announce that our new LCMS panel is now live!

Our science team has been working over the past several months to roll out an LCMS panel with new additions. We have added the following compounds to the new panel:

- LSD
- 2-oxo-3-hydroxy-LSD (LSD)
- Lurasidone (Latuda)
- Psilocybin (Mushrooms)
- Psilocin (Mushrooms)

After analysis of our former panel, we identified several compounds that were detected in less than 0.01% of our total specimen volume; thus, they were removed as they did not add value to our clients. Please find a table below comparing the two panels side by side.

Compounds highlighted in **green** are additions to the new panel.

Compounds highlighted in **yellow** were removed from the panel.

If you have any questions, don't hesitate to contact our clinical education team at (801) 893-8993 or at education@btdlab.com.

New LCMS Panel	Old LCMS Panel
2-oxo-3-hydroxy-LSD	2-Hydroxyethylflurazepam
6a-Naloxol	4-Methylephedrine
6B-Naltrexol	6a-Naloxol
6-MAM	6b-Naltrexol
7-AminoClonazepam	6-MAC
7-HydroxyQuetiapine	6-MAM
9-HydroxyRisperidone	7-Aminoclonazepam
Alprazolam	7-Hydroxyquetiapine
Amitriptyline	9-Hydroxyrisperidone
Amphetamine	Alfentanil
Aripiprazole	Alprazolam
Benzoylecognine	Amitriptyline
Buprenorphine	Amo-Pentobarbital
Bupropion	Amphetamine
Butalbital	Aripiprazole
Cannabidiol	Benzoylecgonine
Carbamazepine	Buprenorphine
Carisoprodol	Bupropion
Citalopram	Butabarbital
Clonazepam	Butalbital
Clozapine	Cannabidiol

Codeine	Carbamazepine
Cotonine	Carisoprodol
Cyclobenzaprine	Citalopram
DehydroAripiprazole	Clonazepam
Desipramine	Clozapine
DesmethylCitalopram	Cocaethylene
DesmethylCyclobenzaprine	Codeine
DesmethylDoxepin	Cotinine
DesmethylMirtazapine	Cyclobenzaprine
DesmethylOlanzapine	Dehydro Aripiprazole
DesmethylTapentadol	Desalkylflurazepam
Dextromethorphan	Desipramine
Dextrorphan	Desmethylcitalopram
Diazepam	Desmethylcyclobenzaprine
D-Isomer	Desmethyldoxepin
Doxepin	Desmethyilmirtazapine
Duloxetine	Desmethylolanzapine
EDDP	Desmethyltapentadol
Ephedrine	Dextromethorphan
Ethyl Gluconuride (EtG)	Dextrorphan
Ethyl Sulfate (EtS)	Diazepam
Fentanyl	D-Isomer
Fluoxetine	Dihydrocodeine
Gabapentin	Doxepin
Haloperidol	Duloxetine
Hydrocodone	EDDP
Hydromorphone	Ephedrine
HydroxyAlprazolam	Fentanyl
HydroxyBupropion	Fluoxetine
HydroxyMidazolam	Fluphenazine
HydroxyTriazolam	Flurazepam
Imipramine	Gabapentin
Ketamine	Haloperidol
Lamotrigine	Hydrocodone
Levetiracetam	Hydromorphone
L-Isomer	Hydroxyalprazolam
Lorazepam	Hydroxybupropion
LSD	Hydroxymidazolam
Lurasidone	Hydroxytriazolam
mCPP	Imipramine
MDA	Ketamine

MDMA	Lamotrigine
MDMA	Levetiracetam
MDPV	L-Isomer
Meperidine	Lorazepam
Meprobamate	mCPP
Methadone	MDA
Methamphetamine	MDMA
Midazolam	MDPV
Mirtazapine	Meperidine
Mitragynine	Meprobamate
Morphine	Methadone
Naloxone	Methamphetamine
Naltrexone	Midazolam
NorBuprenorphine	Mirtazapine
NorDiazepam	Mitragynine
NorFentanyl	Morphine
NorFluoxetine	Nalbuphine
NorHydrocodone	Naloxone
NorHydromorphone	Naltrexone
NorKetamine	Norbuprenorphine
NorMeperidine	Norcodeine
NorOxycodone	Nordiazepam
Nortriptyline	Norfentanyl
O-Desmethyl-cis-Tramadol	Norfluoxetine
O-DesmethylVenlafaxine	Norhydrocodone
Olanzapine	Norhydromorphone
Oxazepam	Norketamine
Oxcarbazepine	Normeperidine
Oxycodone	Noroxycodone
Oxymorphone	Nortriptyline
Paroxetine	O-Desmethyl-cis-tramadol
Pentazocine	O-Desmethylvenlafaxine
Phencyclidine	Olanzapine
Phenobarbital	Oxazepam
Phentermine	Oxcarbazepine
Pregabalin	Oxycodone
Primidone	Oxymorphone
Protriptyline	Paroxetine
Psilocin	Phencyclidine
Psilocybin	Pentazocine
Quetiapine	Phenobarbital

Risperidone	Phentermine
Ritalinic Acid	Pregabalin
Sertraline	Primidone
Tapentadol	Protriptyline
Temazepam	Quetiapine
THC-COOH	Risperidone
Topiramate	Ritalinic Acid
Tramadol	Secobarbital
Trazadone	Sertraline
U-47700	Sufentanil
Venlafaxine	Tapentadol
Zolpidem	THC-COOH
Zolpidem-P4CA	Temazepam
	Topiramate
	Tramadol
	Trazodone
	Triazolam
	U-47700
	Venlafaxine
	Zaleplon
	Zolpidem
	Zolpidem-P4CA