



TECH NOTES

Pharmaceutical Capabilities

As a proven leader in environmental testing, **McCoy & McCoy Laboratories, Inc.** has once again recognized a need and reacted by establishing a working method to detect many prolific pharmaceutical compounds in various water matrices. Our current focus has been over-the-counter remedies, popular prescription drugs, illegal recreation drugs, and other screening compounds such as nicotine and caffeine. Utilizing an Applied Biosystems HPLC-MS/MS and complex extraction processes, MMLI has the ability to provide accurate, defensible data in the detection of pharmaceutical compounds. Below is a listing of the Pharmaceutical Compounds MMLI is currently analyzing for Water & Wastewater Treatment Plants, Hospitals and Industries.



ANTIBIOTICS	"used to treat..."	GASTRO INTESTINAL	"used to treat..."
Ciprofloxacin	Bacterial Infections	Cimetidine	Ulcers
Oxyteracycline	Bacterial Infections	Ranitidine	Ulcers, acid reflux
Sulfadiazine	Bacterial Infections – UTIs	HEART/CARDIOVASCULAR	
Sulfamerazine	Bacterial Infections	Amiodarone	Irregular heartbeat
Sulfamethizole	Bacterial Infections	Lisinopril	Hypertension, heart attacks
ANXIETY		PAIN MANAGEMENT	
Diazepam	Anxiety, nervousness, alcohol	Acetaminophen	Pain reliever (OTC)
Doxepin	Anxiety, depression, bipolar	Codeine	Pain reliever
Haloperidol	Anxiety, addiction, depression	Morphine	Pain reliever
BRONCHODILATOR		STIMULANT/OTHER	
Albuterol	Opens lungs for more air flow	Amphetamine	
DECONGESTANTS		Caffeine	
Ephedrine	Congestion, cold, flu	Cotinine	Metabolite of nicotine
Pseudoephedrine	Congestion, cold, flu	Methamphetamine	
		Nicotine	

Many more Pharmaceutical, Antibiotic, or Organic compounds are available or will be forthcoming. Contact **McCoy & McCoy Laboratories, Inc.** to inquire about your specific needs or to get started today.

