

Mass Spectrometry Toxicant Screen Information

GC-MS Toxicant Screen

The gas chromatography-mass spectrometry (GC-MS) screen offers the possibility of detecting potential toxicants in a sample. Data is matched to a library of mass spectra that includes more than 200,000 compounds. The GC-MS screen is capable of detecting pesticides (organophosphorus, carbamate, pyrethroid, and chlorinated), industrial pollutants, natural products, alkaloids, vitamins, and drugs. If the specimen of interest is not listed or if you have questions regarding suspected compounds please contact the lab for further information. This test will not detect mycotoxins, heavy metals, anticoagulants, or ionophores.

LC-MS Toxicant Screen

The liquid chromatography-mass spectrometry (LC-MS) screen offers possibility of detecting potential toxicants in a sample. Data is matched to a library containing more than 9 million spectra. The LC-MS screen is capable of detecting a wide variety of environmental contaminants and toxicants as well as drugs (antibiotics, anthelmintics, growth promoters, and ionophores). If the specimen of interest is not listed or if you have questions regarding suspected compounds, please contact the lab for further information. This test will not detect chlorinated pesticides and heavy metals.

Mass Spectrometry Toxicant Screen Combined

Please note that if the mass spectrometry screen combined testing is requested then both the GC-MS and LC-MS toxicant screens will be performed.