

Request under Freedom of Information Act 2000 – our ref: FOI 19/20_335

I write in response to your request under the Freedom of Information (FOI) Act.

I confirm that the Trust holds the information you requested. Please see the replies, set out against your questions:

- 1) Does your Trust routinely offer Mass Spectrometry testing for Diagnostic purposes?

YES we use Matrix-Assisted Laser Desorption/Ionization-Time Of Flight (MALDI-TOF) mass spectrometry

- 2) If you answered yes to question 1, can you please provide a list of which assays / tests are routinely run on the Mass Spectrometry system in your Trust.

We cannot list all of the micro-organisms which we identify and store on our database as they number in the 100,000s.

- 3) Does your Trust send away samples (to locations outside of your trust) for Mass Spectrometry testing?

Yes.

- 4) If you answered yes to question 3, can you please list the assays / tests which are run on the samples you send away?

- **5HIAA (5-HIAA - 5-hydroxyindoleacetic acid)**
- **17 OH- Progesterone (Salivary and Blood Spots)**
- **Aluminium (plasma)**
- **Amiodarone**
- **Amisulpride**
- **Amitriptyline**
- **Cadmium (plasma and urine)**
- **Carnitine/Acylcarnitines**
- **Clobazam**
- **Clomipramine**
- **Copper (plasma and urine)**
- **Ethosuximide**
- **Flecainide**
- **Gabapentin**



- Imipramine
- Lamotrigine
- Lead
- Levetiracetam
- Manganese
- Metanephrines (Methoxylated derivatives of catecholamines)
- Methylmalonic Acid
- Mevalonic Acid (urine)
- Molybdenum
- Nickel
- Olanzapine
- Risperidone
- Selenium
- Topiramate
- Urine drugs of abuse
- Zinc

The tests listed above are the tests that we send away to referral centres and have been able to confirm are performed by mass spectrometry. There may be others that are not listed above.