

# Notice nº1/2019

## LC-MS Service

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### **AIM:**

Description of the LC-MS analysis process at the Structural Analysis Lab.

### **SAMPLE PREPARATION:**

Samples must be delivered at the SA Lab properly conditioned in closed and labelled vials. Samples must be fully dissolved in a solvent compatible with the chromatographic column and the mass spectrometer (ex. ACN e MeOH). The solvent used to dissolve samples should also be submitted for analysis. Buffer solutions such as phosphate, tris and HEPES cannot be used.

Samples should have a concentration of 100 mg/L and must be previously filtered through a 0.22µm filter. It is imperative that samples are fully dissolved.

### **SAMPLE SUBMISSION:**

Samples must be submitted on **Wednesday**, from **2 pm** to **4 pm**. If a holiday falls on a Wednesday, samples should be submitted on Tuesday, from 2 pm to 4 pm.

A fully filled request form must **always** be submitted with the samples (“**LC-MS Request Form**” available at <https://www.ff.ulisboa.pt/structural-analysis-laboratory/?lang=en>).

### **ANALYSIS:**

A standard method for positive and negative ionisation mode will be employed for samples to be analysed through direct infusion. If the results are not according to the expected, manual infusion with variation of analytical conditions will be employed.

### **RESULTS:**

Every lab/ research group should indicate one person to be contacted (name, e-mail, phone) in case any clarification is needed. That person should also be responsible for the submission of all the samples from their lab. Results will be sent to the e-mail addresses written on the request form.

### **CONTACTS:**

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