



Protocol

Desalting for NanoESI QTOF MS

- Prepare a micro-scale solid phase extraction column:
- Drop a piece of fused silica capillary (1 – 2 mm long; AD 0.190 mm, ID 0.05mm) into a gel loader tip (Eppendorf) and centrifuged using purification needle holders (Proxeon) Add 5µl of a suspension of 50 Poros R2 (4mg/ml 50% acetonitrile) and centrifuge.
- Now, the Poros R2 column is ready to use or can be stored in a closed box.
- Wash the Poros R2 column with 10 µl of 70% methanol/1% acetic acid followed by 5 µl 1% acetic acid.
- Add the sample and centrifuged slowly through the column.
- Wash with 5µl 1% acetic acid
- Elute with 0.6 µl 70% methanol/1% acetic acid directly into the ESI needle (econo 12, New Objective). A stable electro spray on the Qstar (Applied Biosystems) is achieved at 720 V (distance of the needle tip to the entrance of the mass spectrometer: about 1mm).

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