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|  | LC and LCMS Demo and AnalysisSample Information |

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| Customer Information |
| company:  | name:  |
| **Contact** | phone |  |
| street  | email |  |
|  | Is this a tender? |[ ]  yes |[ ]  no |
| zip  |  | city  |  | Can we use a partner lab? |[ ]  yes |[ ]  no |
| country | UK | CDA required? |[ ]  yes |[ ]  no |

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| Instrument Demo Objectives |
| Please provide us information about the analysis and key expectations of the customer.

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| **Samples description**: **QC**: quality control **ST0**: susceptible line extract **RT0**: resistant line extractA blank of extraction (**ExBlk**) will be also provided if required. LC and MS protocols provided in additional document.**Objectives:** * determine number of chemical features
* Metabolomics workflow software: peak alignment, peak picking, statistics, etc.
* differential metabolites between RT0 and ST0
* sensitivity (perform serial dilutions of QC)
* Compound ID: identification of differential metabolites between RT0 and ST0
 |
| **Presentation of the data:** | [ ]  Demo | [ ]  Report | [ ]  Webex | [ ]  Zoom Video |

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| Instrument Information |
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| **Type of instrument to be evaluated:**  | **Model#:** |
|  | 6420 | 6460 | 6470 | 6495 | Ultivo |  |
| QQQ |[ ] [ ] [ ] [ ] [ ]   |
|  | 6530 | 6545 | 6550 | 6560 | 6545XT |  |
| QTOF |[ ] [ ] [ ] [ ] [ ]   |
|  | MSD | MSD XT |  |  |  |  |
| SQ |[ ] [ ]   |  |  |  |
|  | 6230 |  |  |  |  |  |
| TOF |[ ]   |  |  |  |  |
|  | 1260 | Prime | 1290 | CE | SFC | Online SPE | Rapidfire | Nano | Automation |
| Separation |[ ] [ ] [ ] [ ] [ ] [ ] [ ]  [ ]  |[ ]
| If desired Model is not available, can we perform analysis on an alternative instrument?(e.g. 6460 with ESI instead of 6420, QTOF in MS mode instead of TOF) | [ ]  yes [ ]  noIf yes, Model#: |

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| Please return this form to |
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| phone +49 7243 6022672, e-mail silke\_seifert@agilent.com |

Application #1 Does a method exist for this application? ☐ yes ☐ no

(You can attach method information provided by the customer, but please add missing information in this table)

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| Sample Set Information |
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| **Analyte Class Name** |  |
| **Matrix** |  | **Estimate # of injection (total)** |  |
| **Number of Samples** |  | **Amount per sample (mL/mg)** |  |
| **Customer is going to provide all standards (individual if possible)?** | ☐ yes | ☐ no |
| **Concentration** |  | **Solvent (if solid for dissolution)** |  |
| **Storage conditions** | [ ]  Freezer |  [ ]  Fridge | [ ]  Room Temperature |
|  |  |  |  |
| **Compound name** | **Formula and/or CAS** | **m/z (+ or -) or MRM trans.** | **Concentration** |
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| LC Method Information |
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| **Column** (name, phase, length x diameter, µm): |  |
|  |  | **Parameter can be modified:** |
| **Column** |  |[ ]  yes |[ ]  no |
| **Column Temperature** |  |[ ]  yes |[ ]  no |
| **Mobile Phase A** |  |[ ]  yes |[ ]  no |
| **Mobile Phase B** |  |[ ]  yes |[ ]  no |
| **Flow rate** |  |[ ]  yes |[ ]  no |
| **Injection volume** |  |[ ]  yes |[ ]  no |
|  |  |
| **Gradient** | **Time (min)** | **%B** | **Flow** |
|  | **0** |  |  |
|  | **1** |  |  |
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| **Other Information**(e.g. restrictions when modifying parameters, other detectors required) |  |

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| MS Method Information |
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| **Ion Source** | Jet Stream | ESI | APCI | APPI | Multi Mode | Nano |
|  |[ ] [x] [ ] [ ] [ ] [ ]
|  |  |  |  |  |  |
| **Polarity** |[ ]  positive |[x]  negative |[ ]  Fast polarity switching |
|  |
| **Specific acquisition modes that need to be demonstrated** (e.g. QQQ: triggered MRM, QTOF: All Ions)?  |
| QTOF, full scan and MS/MS |

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| Software and Workflows |
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| **Please specify software or workflows that have been positioned with the customer or that you would like us to present during the demo:** |
| Metabolomics: untargeted analysis (chemical fingerprinting) and targeted analysis, ID and annotation of compounds, libraries |
| For screening workflows, please specify:  |[ ]  Target |[ ]  Suspect |[x]  Discovery |

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| Other Information |
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| **Please share with us any other information that might help us to qualify the project and perform a better demo or sample measurement:** |
| Please refer to “Instrument Demo Objectives” section and additional documents supplied |

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**Tips for your customer’s instrument evaluation:**

* Explain the objective of the instrument evaluation in your own words, summarize in a few sentences.
* Ask your customer to
	+ use samples and analytes that they know and understand. Even when evaluating discovery workflows (analysis of unknown compounds).
	+ avoid redundancy and to choose a small number of meaningful analytes and samples. A too large number of analytes and samples will consume a lot of time and impede the presentation of all key features of the instrument and the software.
	+ design the tests in a way that their routine challenges can be addressed rather than rechecking instrument specifications.