ACCTA, Inc.
Column Screening Request

**Requesting Lab**

**Sample/Compound Information**

 **Compound Name/CAS\*:**

**Sample Matrix (if applicable)\*\*:**

**Solubility/Known Issues/Problems\*\*\*:**

**Detection wavelength:**

 **Name:**

**Organization:**

**Contact Phone/Email:**

Comments:
\*Do not provide confidential information unless an NDA has been executed between your organization and ACCTA, Inc. Compounds should be provided in minimum quantities of 100 mg, or 1 mg/mL solutions (1 mL minimum). Include appropriate MSDS with all shipments.
\*\* Provide general description. Shipments should include matrix blank (1 g minimum) and actual compound/matrix product where applicable.
\*\*\* Provide known information on solubility, stability, reactivity, and safety issues and problems.

**Column Screening Options**

* In the following chart, indicate the desired combinations to be evaluated. Consider the following issues when making your choices:
	+ If you have already tried some phases, select a column with different polarity/selectivity characteristics.
	+ Choose at least two different C18 phases, if you know you have some retention on a C18 phase.
	+ If you have little retention on C18, try the more polar phases.
	+ Contact us for suggestions if you need advice.

Phases are listed in *approximate* order of decreasing hydrophobic retention.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Phase | Brand | Manufacturer | **Total Samples** | **ACN/Water** | **MeOH/Water** | **pH 3** | **pH 7** |
| C18 | Extend C18 | Agilent |  |  |  |  |  |
|  | XDB-C18 | Agilent |  |  |  |  |  |
|  | Halo C18 | AMT |  |  |  |  |  |
|  | C18 | Phenomenex |  |  |  |  |  |
|  | BEH | Waters |  |  |  |  |  |
|  | SB-C18 | Agilent |  |  |  |  |  |
|  | HPH C18 | Agilent |  |  |  |  |  |
|  | XB-C18 | Phenomenex |  |  |  |  |  |
|  | EVO C18 | Phenomenex |  |  |  |  |  |
| C8 | C8 | AMT |  |  |  |  |  |
| Phenyl | Phenylhexyl | AMT |  |  |  |  |  |
| Polar Embedded | RP Amide | AMT |  |  |  |  |  |
|  | Bonus RP | Agilent |  |  |  |  |  |
| Cyano | ES CN | AMT |  |  |  |  |  |
| Hilic | Pentahilic | AMT |  |  |  |  |  |

**Technical Details**

* The purpose of this screening is only to identify one or more suitable columns for use in final optimization. Additional optimization will probably be required.
* “Total Samples” means the number of different samples to be evaluated (e.g., compound, final product, and matrix blank each count as a separate sample).
* All samples will be screened using a full gradient on a high resolution 5 cm column. Appropriate isocratic conditions can be inferred from the gradient results, but some additional optimization will be necessary.
* Report will consist of chromatograms, column details, and mobile phase information.
* Additional information and recommendations are available at additional charge.

**Costs, Approvals, and Other Administrative Details**

* PO required to confirm project. Please include along with this completed document.
* These results are provided “as is.” ACCTA, Inc. makes no claim or warranty as to the suitability of the results or recommendations for a particular application or purpose.
* Completion times will be determined by laboratory availability and scheduling. Typical ranges are two to six weeks.
* Any cancellations after receipt of PO will incur the following mandatory charges:
	+ Before initiation of laboratory setup: $0
	+ After initiation of laboratory setup, prior to analysis: $500
	+ After initiation of analysis: full billing.

Approval Signature:

Printed Name:

**Approximate Project Costs**

|  |  |
| --- | --- |
| **Description** | **Rate, $** |
| System setup and configuration | $500 |
| Column screening, per sample (standards and samples), duplicate injections of each | $75 |
| Recommendation Report (contact us for details) | $250 - $500 (est.) |