

## Column Questionnaire GPC/SEC

### 1. Column replacement with KNAUER column alternatives:

| Column properties                                 | Parameter                                     |                          |
|---|---|--------------------------|
| Phase type  | Silica based                                  | <input type="checkbox"/> |
|   | Polymer based                                 | <input type="checkbox"/> |
| Mode  | GPC   | <input type="checkbox"/> |
|   | SEC   | <input type="checkbox"/> |
| Polymer – Phase type                              | Styrene – divinylbenzene copolymer            | <input type="checkbox"/> |
|   | Polyester copolymer                           | <input type="checkbox"/> |
|   | Modified styrene - divinylbenzene copolymer   | <input type="checkbox"/> |
|   | Modified acrylate copolymer                   | <input type="checkbox"/> |
|   | Crosslinked polyvinyl alcohol                 | <input type="checkbox"/> |
|   | Polyhydroxymethacrylate copolymer             | <input type="checkbox"/> |
| Silica – Phase                                    | Sulfonated styrene - divinylbenzene copolymer | <input type="checkbox"/> |
|   | Polar modified silica                         | <input type="checkbox"/> |
|   | Modified silica                               | <input type="checkbox"/> |
| Column dimensions (length x inner diameter in mm) |   |                          |
| Particle size [ $\mu\text{m}$ ]                   |   |                          |
| Pore size [ $\text{\AA}$ ]                        |   |                          |
| Molecular weight separation range [Da]            |   |                          |
| Mobile phase                                      |   |                          |

### 2. Column recommendation according to analyte information:

|                    |               |                          |         |                          |
|--------------------|---------------|--------------------------|---------|--------------------------|
| Nature of analytes | Water soluble | <input type="checkbox"/> |         |                          |
|                    | Polar         | <input type="checkbox"/> |         |                          |
|                    | Middle polar  | <input type="checkbox"/> |         |                          |
|                    | Non polar     | <input type="checkbox"/> |         |                          |
|                    | Cationic      | <input type="checkbox"/> |         |                          |
|                    | Anionic       | <input type="checkbox"/> |         |                          |
|                    | Non ionic     | <input type="checkbox"/> |         |                          |
|                    | Carbohydrates | <input type="checkbox"/> |         |                          |
|                    | Proteins      | <input type="checkbox"/> | Enzymes | <input type="checkbox"/> |
|                    | Acids         | <input type="checkbox"/> | Bases   | <input type="checkbox"/> |

Other analytes information (matrix, reactivity)

General remarks