**Pilot Study Program**

**RFQ Form**

|  |  |
| --- | --- |
| **Customer:** |  |
| **Contact Person:** |  |
| **Phone:** |  |
| **Email:** |  |

**NOTE:** Please answer the questions below in as much detail as possible. Synder’s engineers need to know as much about the application as possible to both gauge initial feasibility and recommend the most appropriate type of study. If there are any aspects of the project that can’t be disclosed without a non-disclosure agreement, please send an agreement by email to [sales@synderfiltration.com](mailto:sales@synderfiltration.com) or by fax: (707) 451-6064.

1. Describe the scope of the project. What are you trying to accomplish? What is the intended use for the solutions?
2. What are the target molecules for concentration? What molecules need to permeate through the membrane? *Please complete the feed solution analysis and provide data for the most extreme conditions on the next page.*
3. What are the parameters for operation? *Please provide information on temperature, pH, run time, and physical space constraints.*
4. What are the targeted concentrations? What’s the desired recovery rate?

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1. What is the timeline for the project? Are there any budgetary constraints?
2. Is there a preferred location for the study? *Synder conducts studies on-site and in-house in Vacaville, CA, USA.*
3. Have you conducted any previous pilot studies for this process? If so, please describe the process and outcome.
4. What kind of engineering support will the study require from Synder?
5. Additional Comments:

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**NOTE: PLEASE ENTER FEED/WATER CHEMISTRY BELOW.**

# Feed Solution/Water Chemistry (WORST CASE):

|  |  |  |  |
| --- | --- | --- | --- |
| **Ca:** | mg/l | **HCO3:** | mg/l |
| **Mg:** | mg/l | **SO4:** | mg/l |
| **Na:** | mg/l | **Cl:** | mg/l |
| **K:** | mg/l | **F:** | mg/l |
| **NH4:** | mg/l | **NO3:** | mg/l |
| **Ba:** | mg/l | **SiO2:** | mg/l |
| **Sr:** | mg/l | **B:** | mg/l |
| **CO3:** | mg/l |  |  |

|  |  |
| --- | --- |
| **Turbidity:** | NTU |
| **TSS (Total Suspended Solids):** | mg/l |
| **TDS (Total Dissolved Solids):** | mg/l |
| **TOC (Total Organic Carbon):** | mg/l |
| **COD (Chemical Oxygen Demand):** | mg/l |
| **BOD (Biological Oxygen Demand):** | mg/l |
| **Oil & grease:** | mg/l |
| **pH:** |  |
| **Temperature:** | oC / oF |

**PLEASE RETURN THIS FORM VIA EMAIL TO**

**SALES@SYNDERFILTRATION.COM**

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