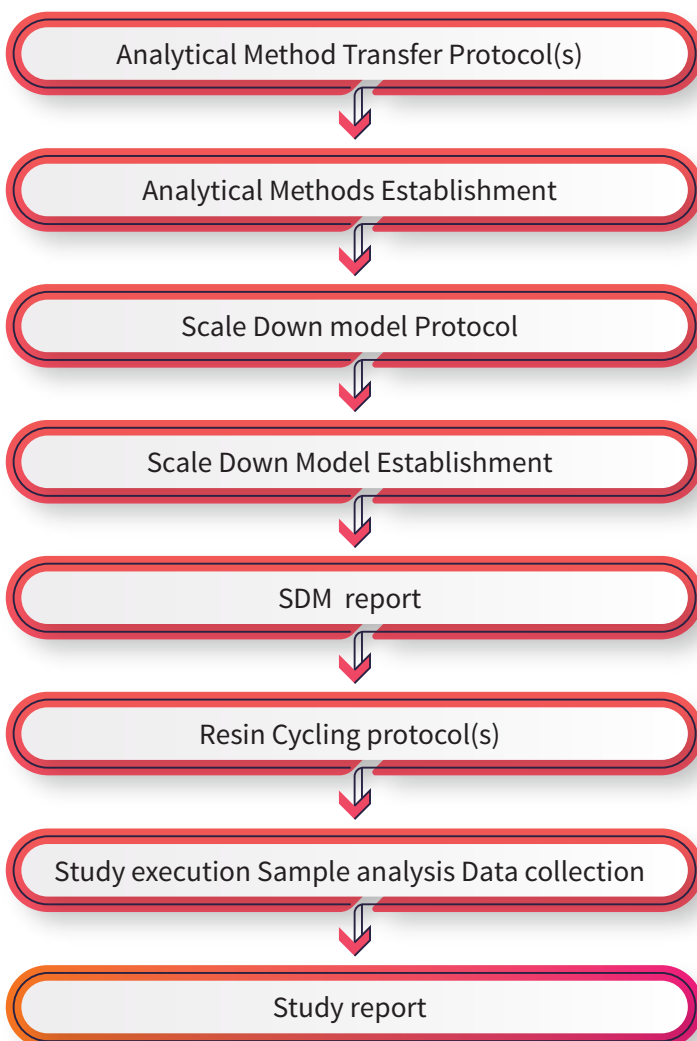


Resin recycling studies



Project Outline



Documentation

- Activities are carried out with formal protocols
- The protocols are discussed with, reviewed by and signed off by the client prior to initiation of experimental work.
- Protocols will include procedures as well as acceptance criteria.
- Reports are finalized after client review and sign-off by client.
- Client has the flexibility to arrange data and report in their format.

Data

- 100% data verification is done by the QA personnel
- All the raw data shall be available for client review and the same will be shared with client after study completion.

Materials

- Pre-approval of complete list of materials by client before initiating procurement.
- All residual materials and the used resin can be shipped back to client

Project Timeline

| Description | Timeline |
|----------------------------|----------|
| Analytical method transfer | 12 weeks |
| Baseline runs | 3 weeks |

| Chromatography resin | Number of runs | Timeline |
|-----------------------------------|----------------|----------------|
| Protein A chromatography (PAC) | 240 Runs | 18 to 20 weeks |
| Ion exchange chromatography (IEX) | 120 Runs | 11- 12 weeks |

| Months | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| Wks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | | |
| Sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | Methods & Process transfer discussions & Material list preparation | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Materials Procurement | | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Protocol Finalization, drafting & Client approval | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AMT | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| II | PAC Baseline runs | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | |
| | PAC Cycling runs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| III | IEX Baseline runs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | IEX Cycling runs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IV | Final report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Let's begin the conversation

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