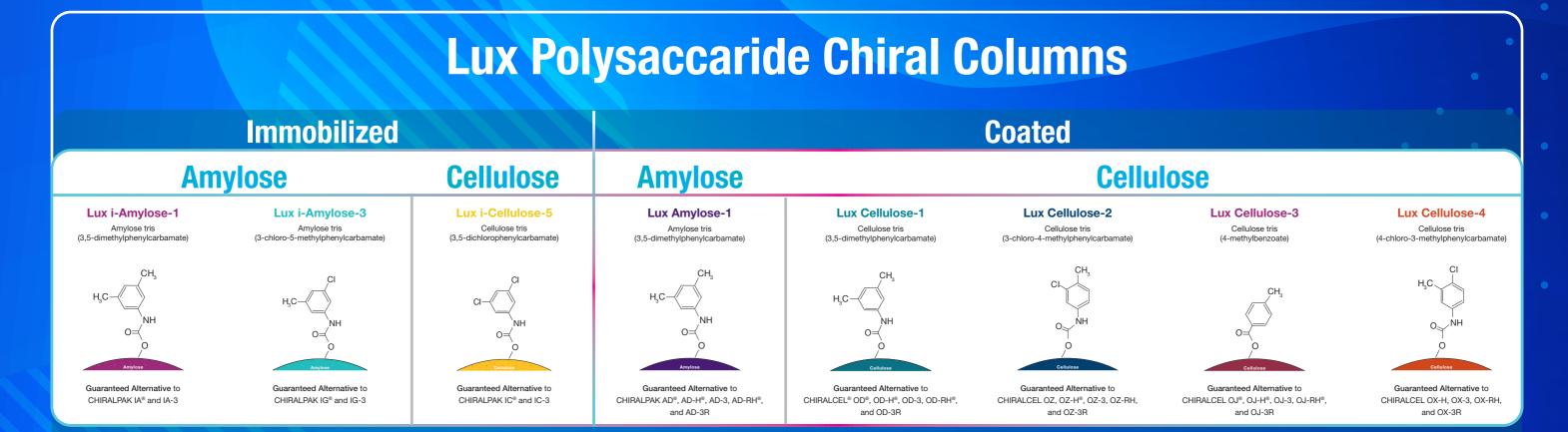
## Simplified Chiral HPLC/SFC Column Screening Strategies





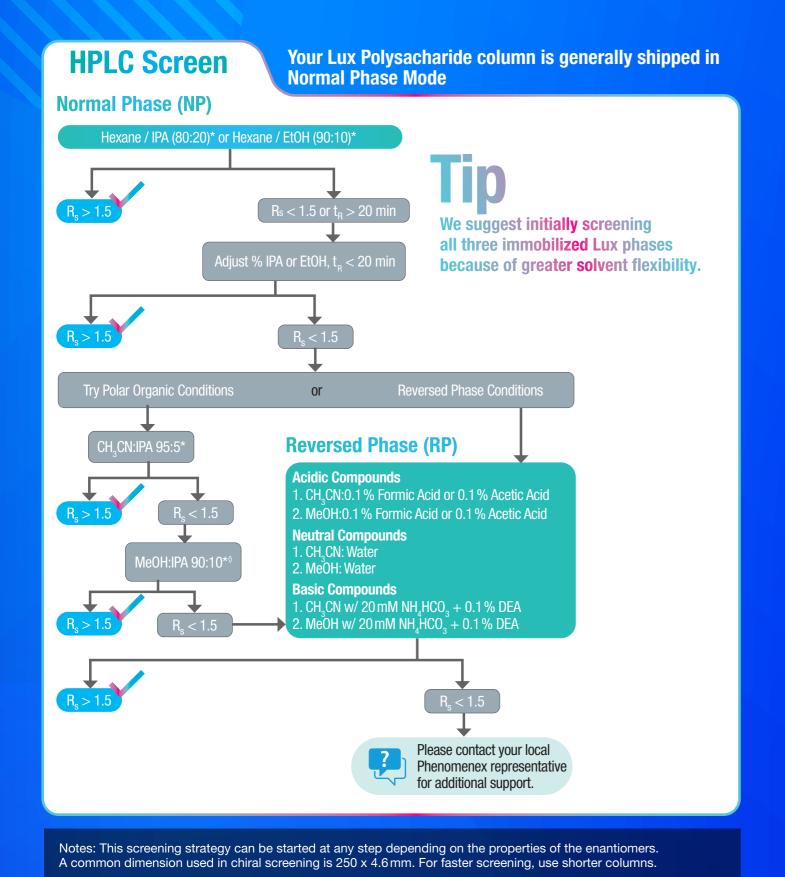
## **Why Choose Lux Chiral Columns?**

- Suitable for normal phase, polar organic, SFC, and reversed phase conditions
- 3 μm and 5 μm packed columns, as well as 10 μm and 20 μm bulk media for scale up
- Pressure stable up to 300 bar

- High efficiency and loading capacity
  - PhenoLogix Free Chiral Screening!

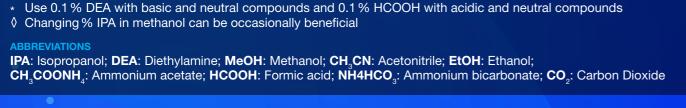
**SFC Screen** 

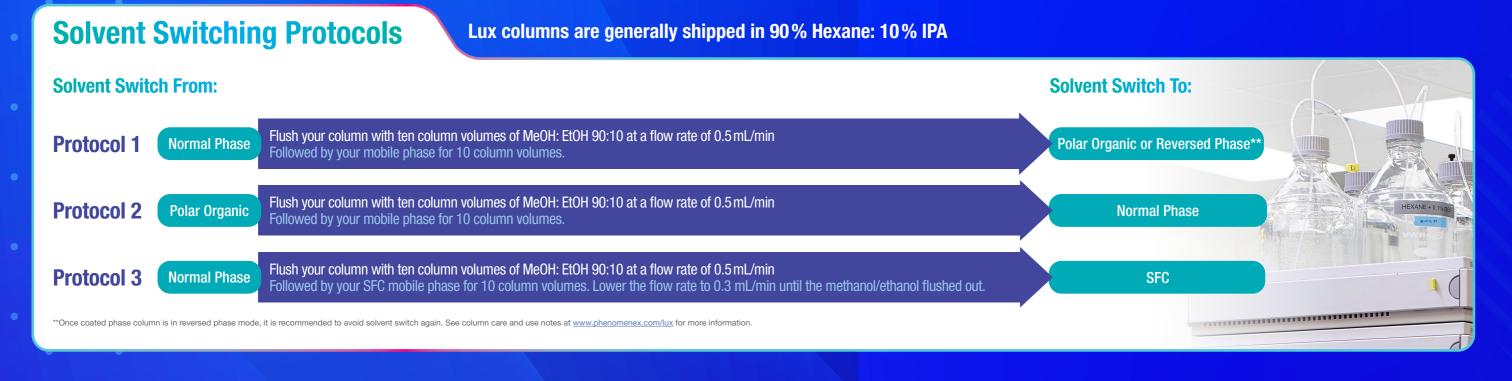
Easy scale up to Preparative Axia<sup>™</sup> column dimensions



CO<sub>2</sub>: MeOH with 0.1 % TFA 75:25  $(t_R > 20 \text{ min})$ Increase organic Try an alternative For basic or acidic chiral compounds, it organic modifier may be necessary to use an appropriate CO<sub>a</sub>: EtOH with mobile phase modifier for improved 0.1 % DEA 75:25 peak shape and resolution. Decrease % modifier to increase R<sub>s</sub> R<sub>s</sub> < 1.5 **Solvent Switch: follow protocol 3** If modifier is > 5%, decrease % modifier If modifier is < 5%, try a different modifier at above starting conditions EtOH, IPA, CH, CN, Hexane Please contact your local Phenomenex representative for additional support.

Switch from Normal Phase to SFC, follow protocol 3





## **Chiral Screening**

For more information or to begin a project today, please contact your local Phenomenex representative.

You can also visit us online:

www.phenomenex.com/phenologix

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