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Science Together

55 Years Science Together

M KNAUER



Programm

1. What is FPLC? Concept and systems

2. How to purify? Overview of common separation modes, applications and purification strategies

3. Troubleshooting Tips and tricks for FPLC Users

4. Application Highlight: Automized 2-Step antibody purification

5. Discussion and Farewell





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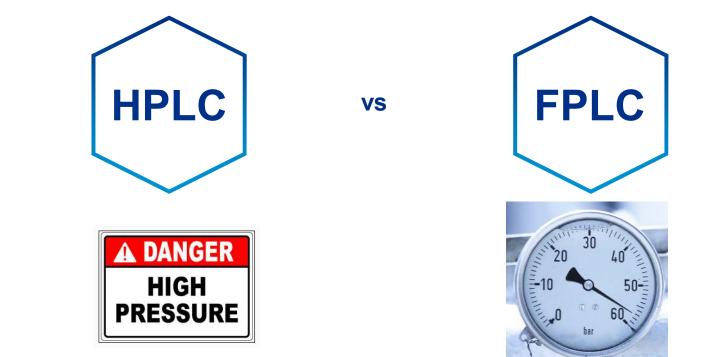
What is FPLC? Concept and systems

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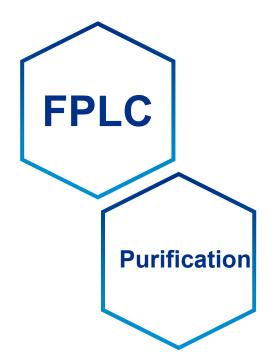
Pressure

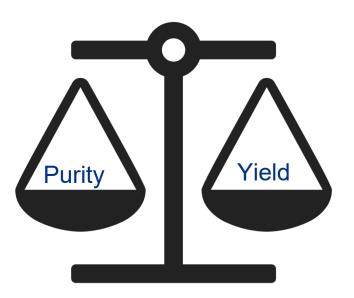








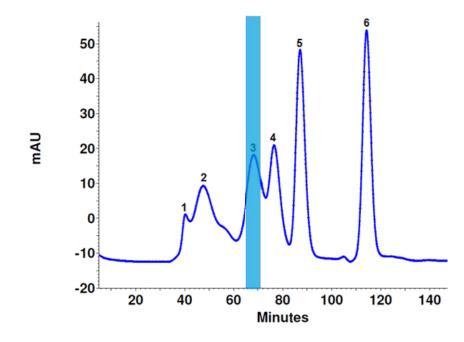


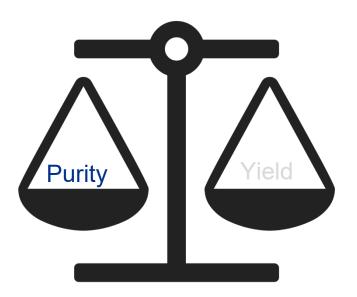






Purification



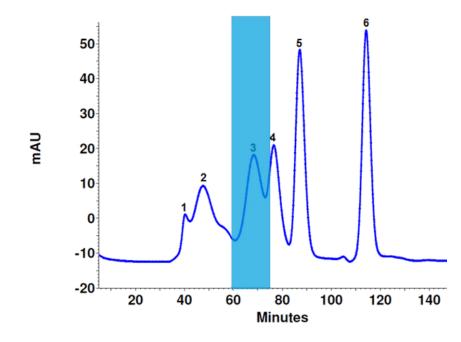


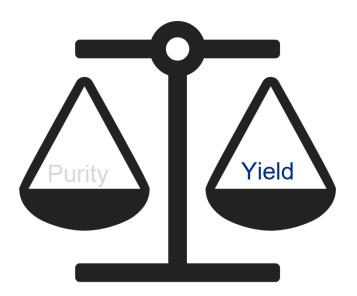
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Purification



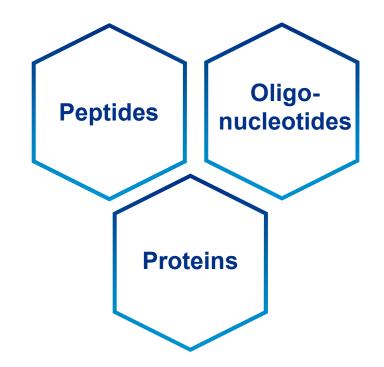


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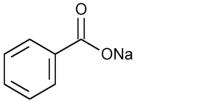
Samples



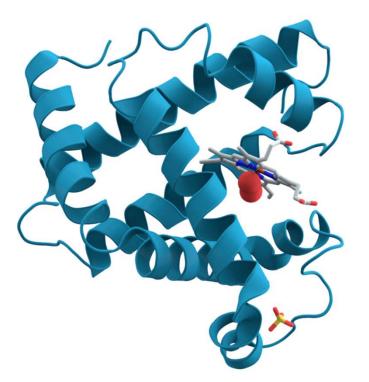




Samples



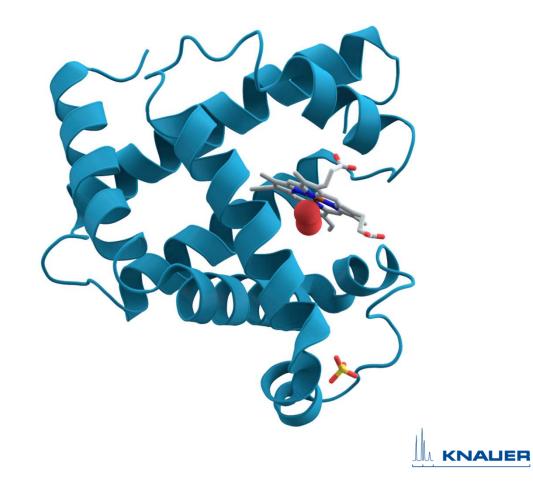
VS





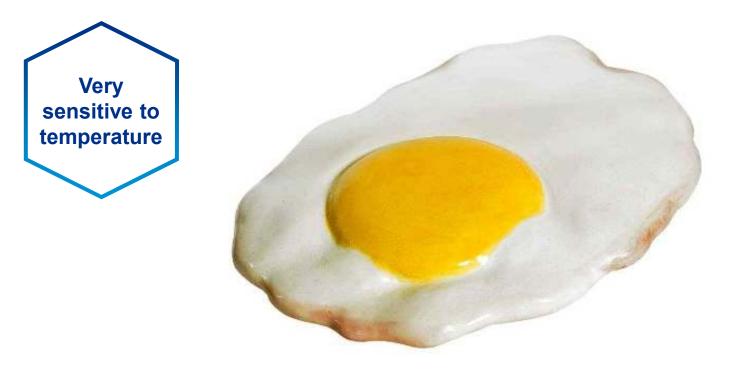


Native conditions





Native conditions







Native conditions



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VS



Biocompatibility





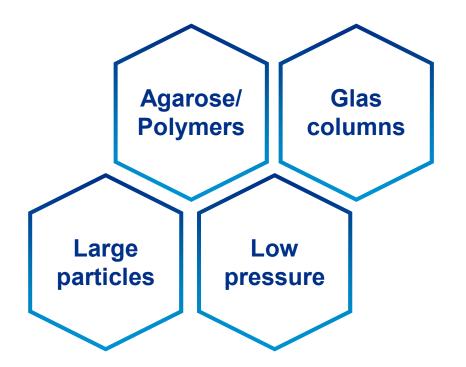


Biocompatibility





Phases/Materials







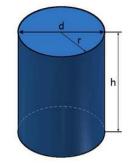
Software

Analytical software



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FPLC software





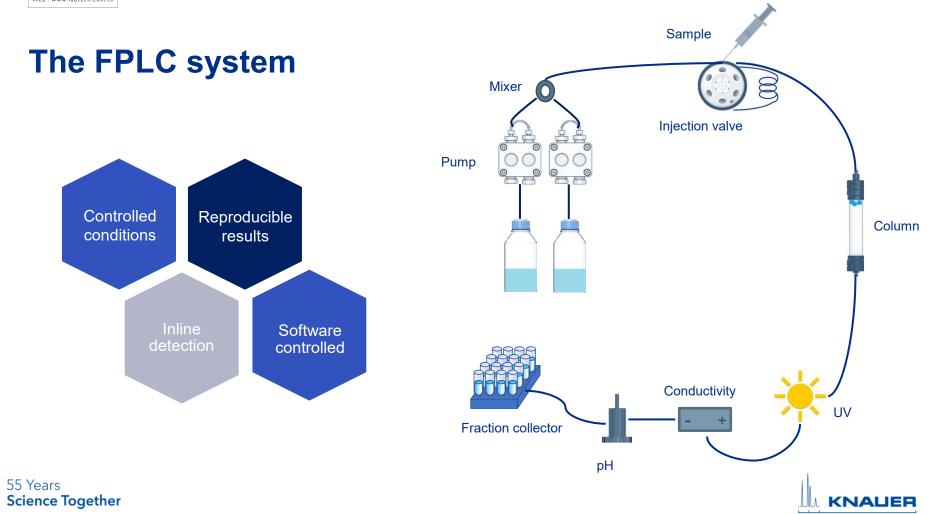


Software

Programming Mode	Volume Calculator ————
 Time min h ○ Volume µ ml l ○ Column Volume 	Length: [cm]

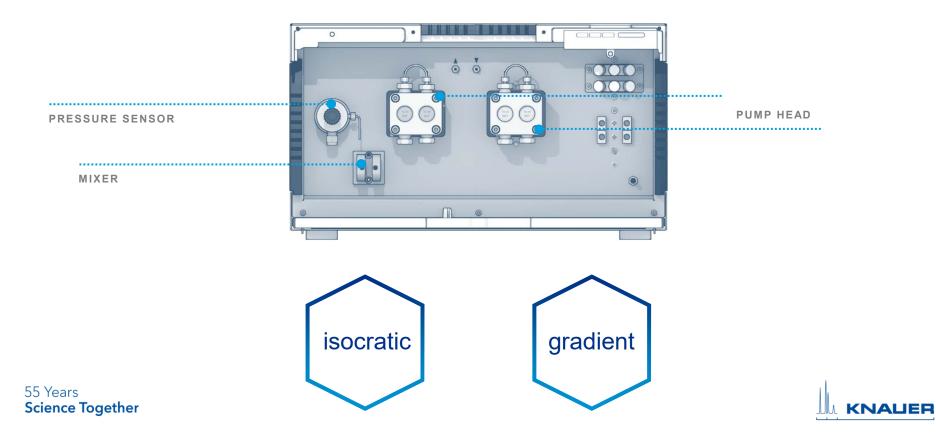






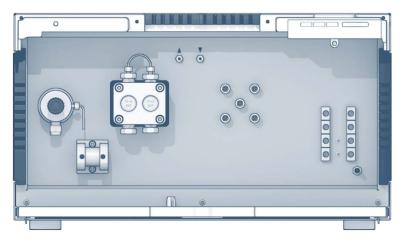


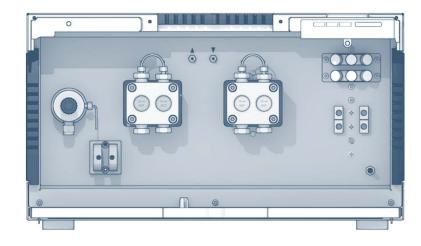
The pump





The pump





LPG

HPG

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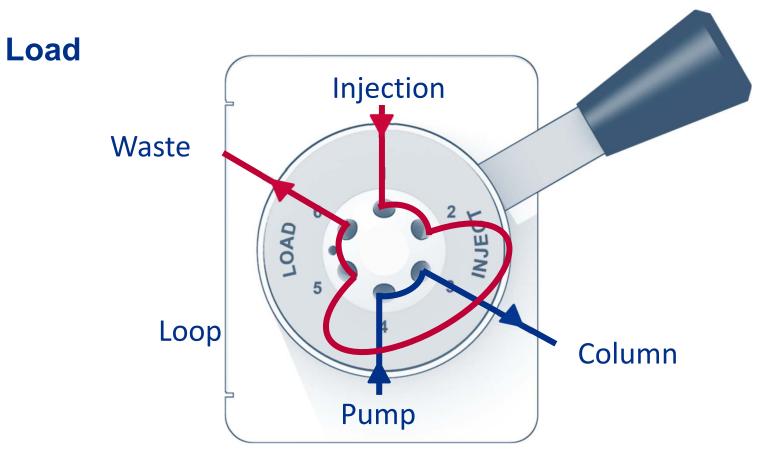


Sample injection/loading



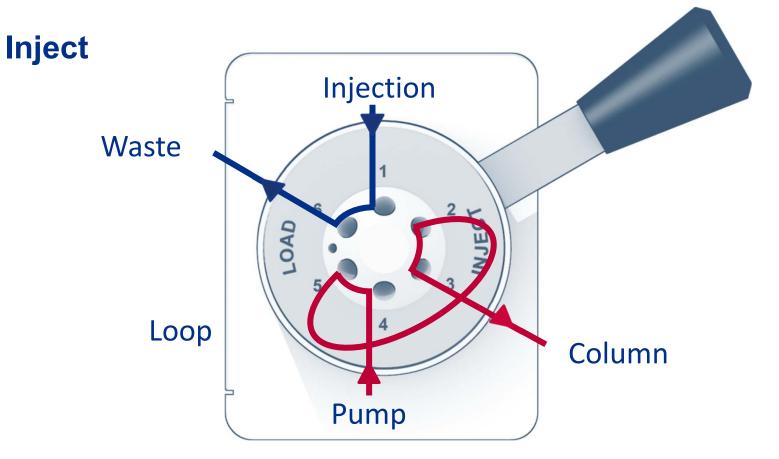








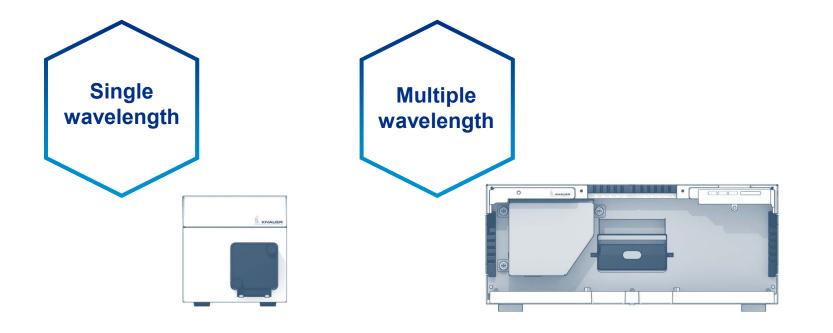








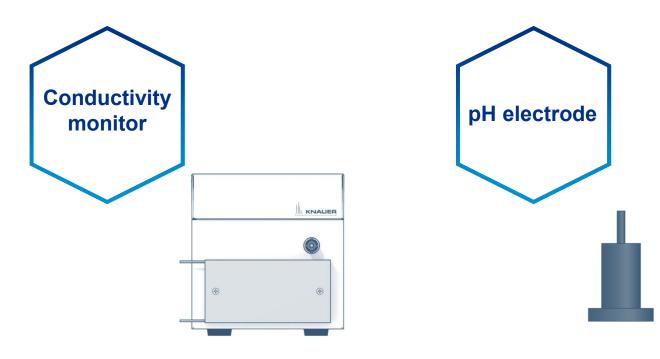
UV Detection of proteins







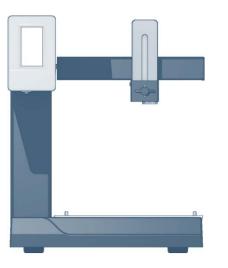
Detection







Fractionation

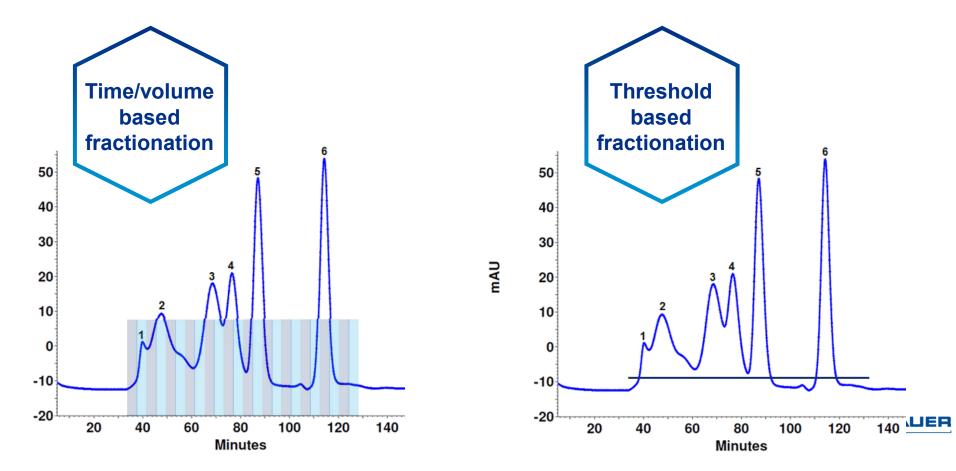








Fractionation





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