

Route Z4-Z.I. Saint Gobain 1009 Jebel Jeloud-Tunisia Tel. : (+216) 71 483 166 E-mail: contact@labtech.com.tn Web : www.labtech.com.tn

# **Science Together**

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# 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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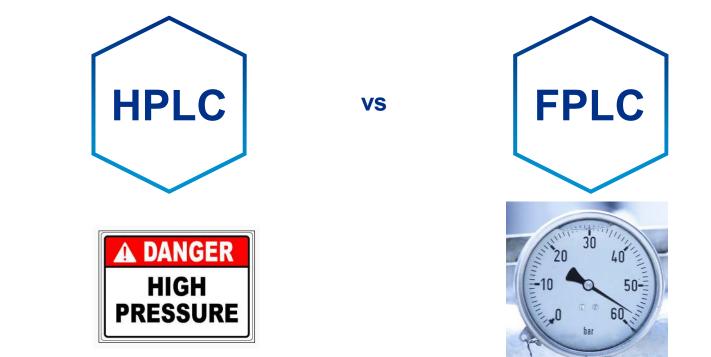
# What is FPLC? Concept and systems

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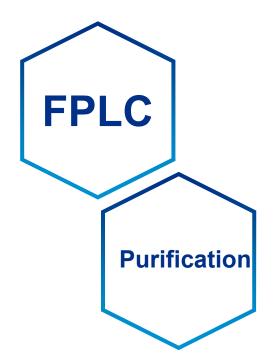
#### Pressure

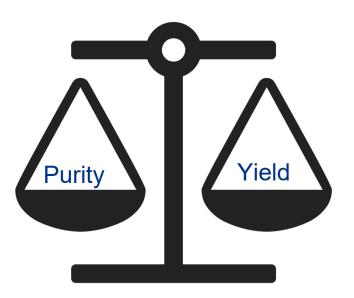








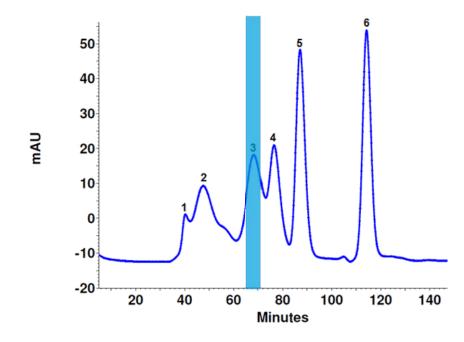


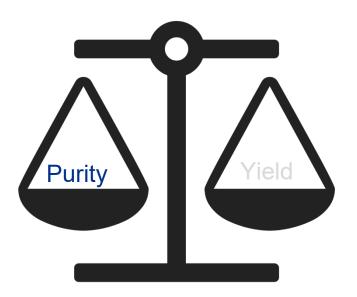






# **Purification**



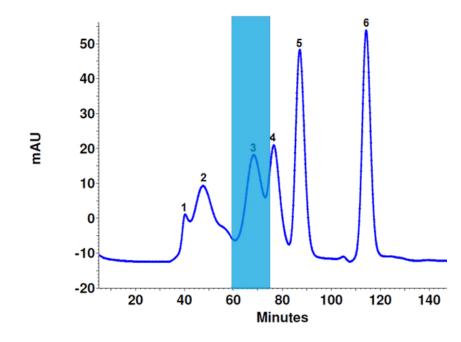


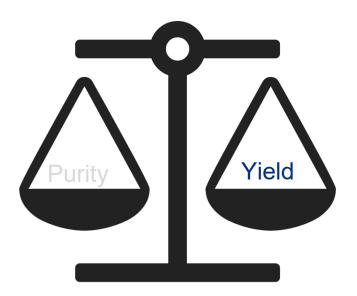
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# **Purification**



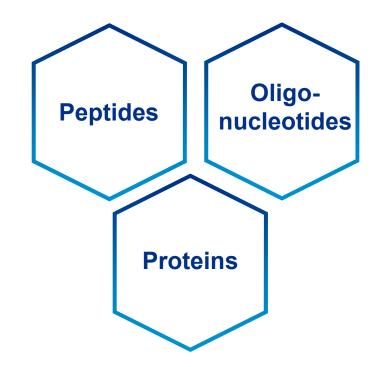


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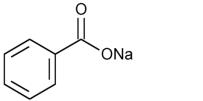
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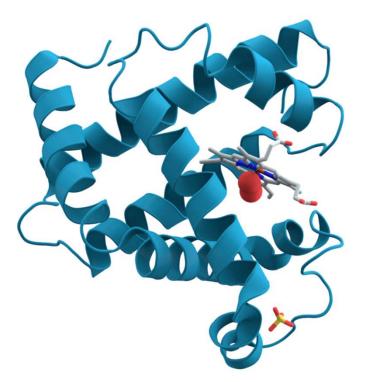




# **Samples**



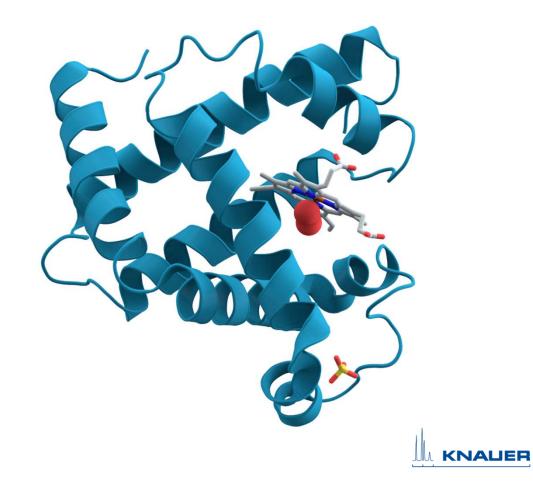
VS





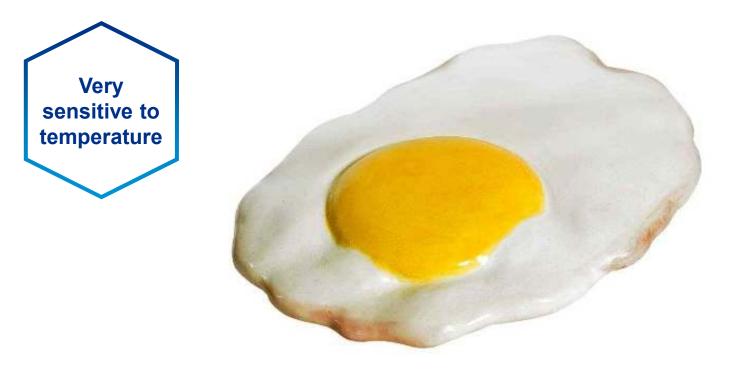


## **Native conditions**





# **Native conditions**







# **Native conditions**



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VS



# **Biocompatibility**





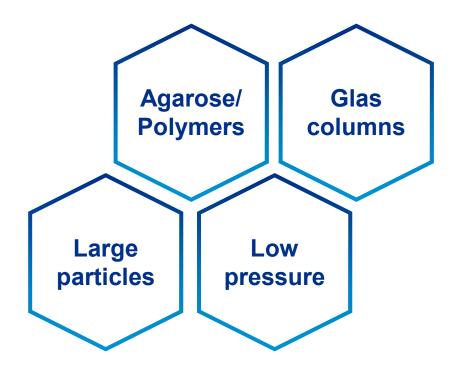


# **Biocompatibility**





#### **Phases/Materials**







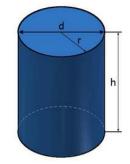
### Software

# **Analytical software**



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# **FPLC software**





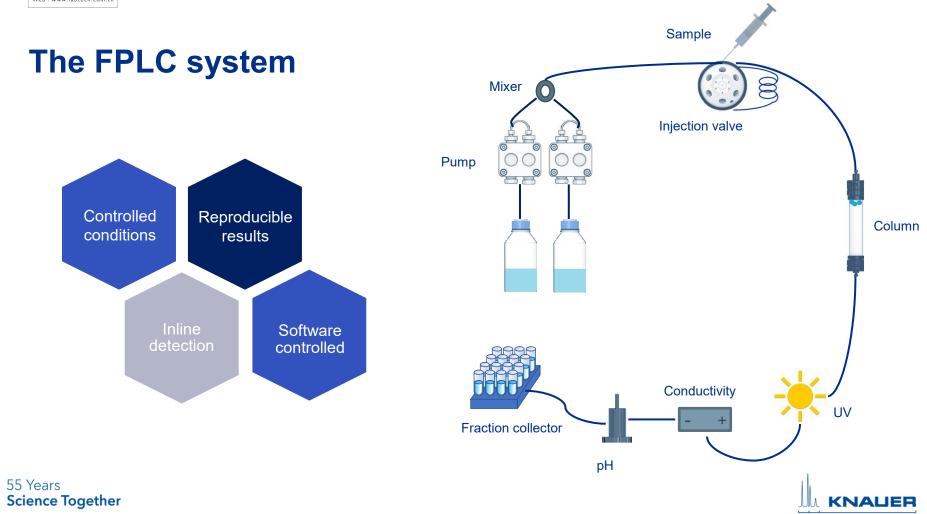


## Software

Programming Mode	Volume Calculator ————
<ul> <li>Time min h</li> <li>○ Volume µ ml l</li> <li>○ Column Volume</li> </ul>	Length: [cm]

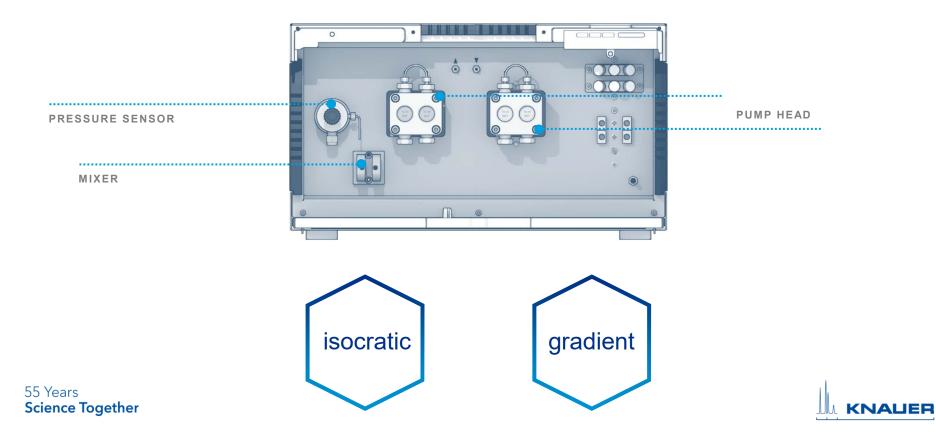






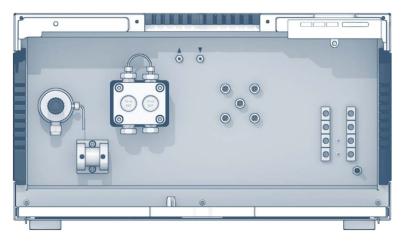


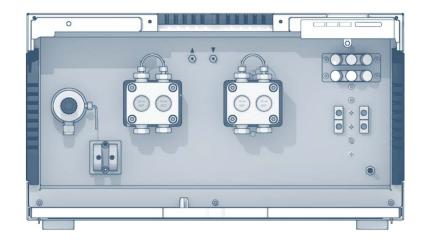
# The pump





# The pump





LPG

HPG

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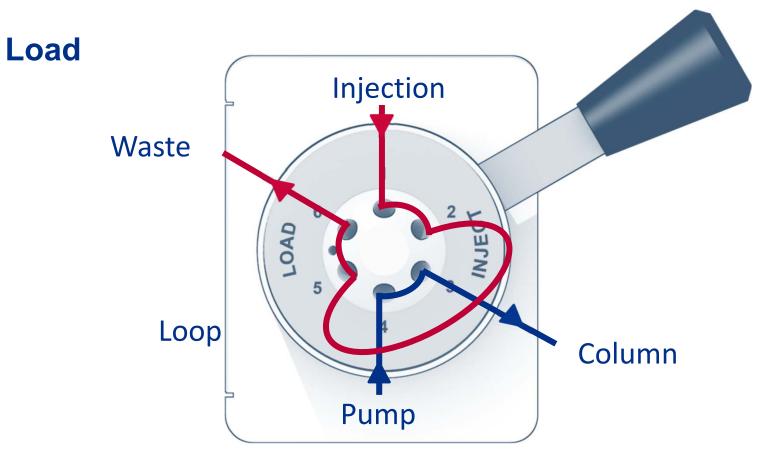


# Sample injection/loading



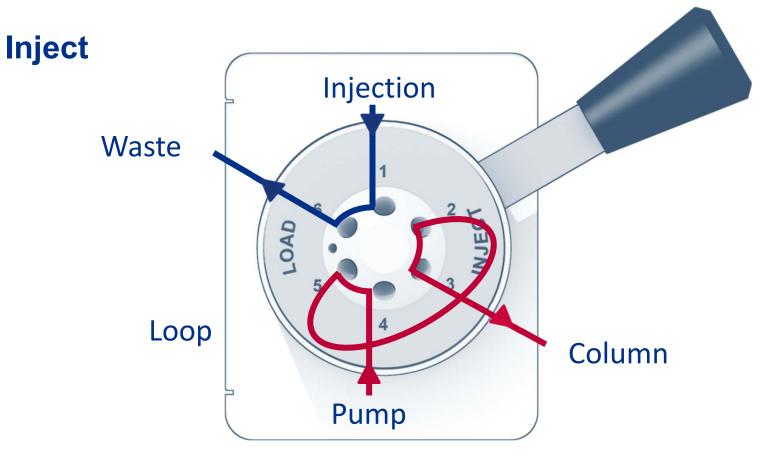








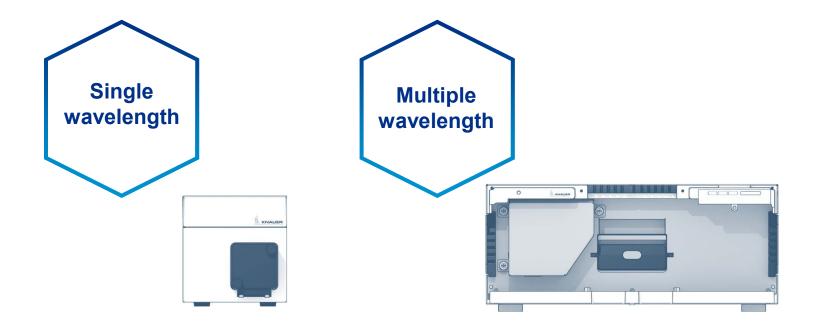








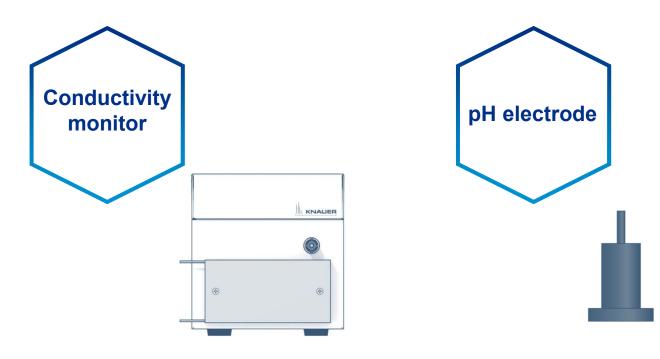
## **UV Detection of proteins**







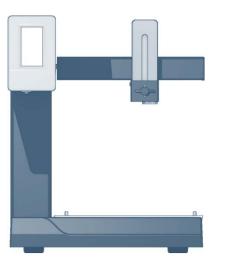
# **Detection**







# **Fractionation**

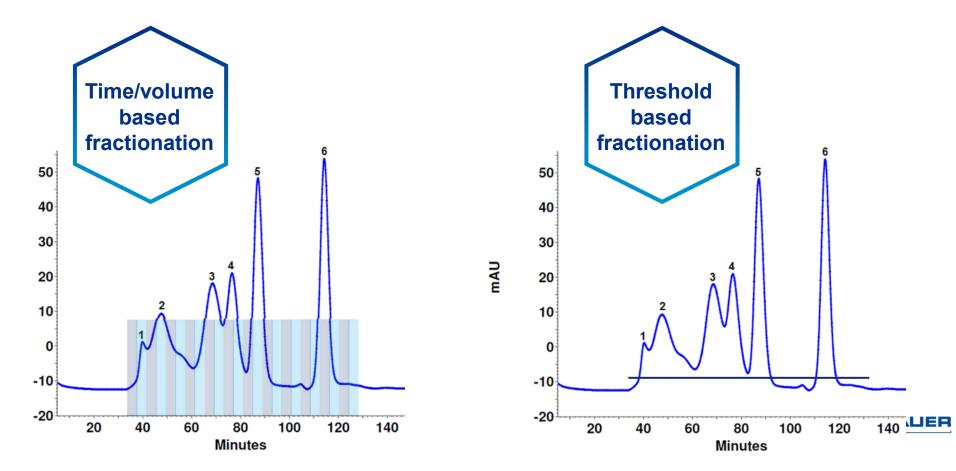








# **Fractionation**





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