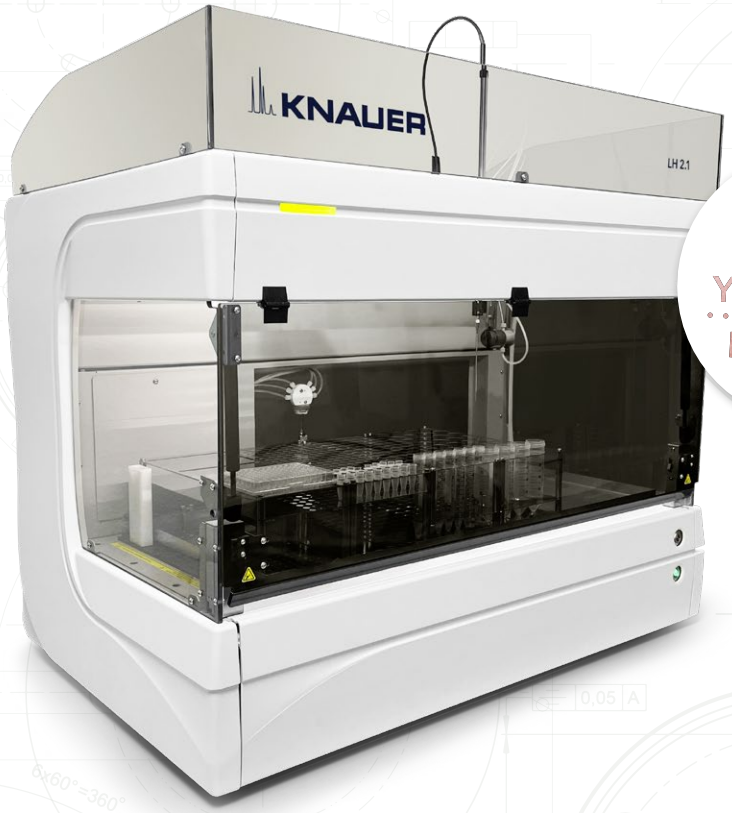
Science with Passion

KNAUER



60 YEARS KNAUER 1962–2022

Liquid Handler LH 2.1 – Expand your Purification

- **Combine** sample injection and fraction collection
- **Scalable** injection range up to 60 ml
- **Purify** from milligrams to several grams
- **Flexible** arrangement of samples and fractions via teaching option
- **Reinject** collected fractions
- **Perform** in high-throughput peptide and oligonucleotide workflows

Technical data

Device dimensions (w x h x d)	96 cm x 104 cm x 70 cm	
Weight	~ 82 kg	
Working area (w x d)	75 cm x 30 cm	
Dispenser syringe – volume	12.5 ml	
Dispenser syringe – resolution	18,1490 increments	
Wash solvents available	4	
Robot module	**Repeatability**	**Accuracy**
X axis	≤ 0.2 mm	± 0.3 mm
Y axis	≤ 0.2 mm	± 0.3 mm
Z axis	≤ 0.4 mm	± 0.4 mm
Injection valve drive	not included, Valve Unifier VU 4.1 supported	
Injection valve	not included, 1/16" or 1/8" V 4.1 injection valves supported	
Sample loop	not included	
Rack capacity	5 KNAUER racks	
Rack type	not included, Racks for micro titer well plates, 2 ml, 15 ml, 50 ml tubes available	
Maximum vessel capacity	15 x micro titer well plates, 810 x 2 ml tubes, 490 x 15 ml tubes, 160 x 50 ml tubes	
Teaching module for individual racks	yes	
Adjustable parameters	Loop Volume, Syringe Volume, Syringe Speed, Syringe Delay, Sandwich Volume, Wash Volume, Wash Speed, Dead Volume	
Dead volume compensation (Low-Loss Injection)	Air or Sandwich Solvent	
Sandwich injection mode	yes, selectable	
Wetted materials		
Dispenser valve	Aluminium oxide 99.5 %	
Dispenser syringe	Borosilicate Glass, PTFE	
Tubing	FEP	
Tip	AISI 316L, outside PTFE coated	
Fraction/Waste valve	PEEK, PTFE	
Material certificates (FDA, 3.1)	not available	
Supported in Software	PurityChrom, Chromeleon	

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Find out more at **knauer.net/lh21**

(U)HPLC • FPLC • SMB • Osmometry and units for the production of lipid nanoparticles (LNP)

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