



Sample Vials - User guide

Selecting the right sample vials is essential for accurate HPLC/UHPLC analyses. KNAUER *originals* vials, designed to prevent contamination and evaporation, offer customizable options to meet your needs.

Choose from different glass colors, closure types, and pre-slit septa in caps, with the option for micro-inserts. Our selection guide helps you find the ideal vial configuration, enhancing your chromatography results.

01

Glass Color



Clear Glass: Ideal for the majority of compounds, providing maximum visibility to monitor the sample's condition. Choose clear glass for routine applications where light sensitivity is not a concern.



Amber Glass: Provides protection against UV light for light-sensitive substances, such as vitamins, steroids, and other pharmaceuticals. Select amber glass to prolong the shelf life of light-sensitive samples.

02 Closure Type



Screw Neck: Offers a secure sealing option, ideal for volatile samples and long-term storage. Screw caps provide excellent resealability and are suitable for repetitive access.



Crimp Neck: Provides the tightest seal, recommended for highly volatile samples and when sample integrity is critical. This option is best for single-time use or long-term storage.



Snap Ring: Allows for easy manual application and removal without special tools. Opt for snap rings for short-term storage and frequent sample retrieval.

03 Septum Type



Pre-slit Septum: Designed to prevent vacuum formation inside the vial, facilitating easier needle penetration and reducing the risk of septum coring. Ideal for automated sampling to ensure consistent sample integrity.



Non-slit Septum: Offers a tighter seal, suitable for storage and applications where minimizing evaporation is crucial. Best for manual sampling where precise control over needle penetration is needed.

04 (Optional) Small Volumes: μ -Inserts



Micro Inserts: Enable small volume sampling, reducing the required sample quantity and minimizing waste. Essential for valuable or scarce samples, allowing for maximum recovery.



Sample Vials

Enhance lab precision with our LC sample vials, offering accuracy and seamless system integration. With exceptional chemical resistance and leak-proof caps, they're available in various materials and closure types – screw neck, crimp neck, snap ring, pre-slit or not – to meet specific needs, ensuring sample integrity and lab efficiency.

Vials

Explore our sample vials, available in amber or clear glass, with versatile closure options: screw neck, crimp neck, and snap ring for secure sealing.



Glass material	Closure type	Nominal Diameter*	Volume [mL]	Units per package	Article number
Clear	Screw Neck	ND 9	1.5	100	A09302
Clear	Crimp Neck	ND 11	1.5	100	A09322
Clear	Snap Ring	ND 11	1.5	100	A09342
Amber	Screw Neck	ND 9	1.5	100	A09300
Amber	Crimp Neck	ND 11	1.5	100	A09320
Amber	Snap Ring	ND 11	1.5	100	A09340

*Nominal Diameter (ND) is the outer diameter of the vial in mm.

Caps

Choose our versatile caps for sample vials, available for screw neck, crimp neck, and snap ring closures, with options for pre-slit or solid designs for optimal sealing.



Closure type	Septum	Pre-slit	Cap material	Units per package	Article number
Screw Neck	PTFE/Silicone	No	Blue Polypropylen	100	A09304
Screw Neck	PTFE/Silicone	Yes	Blue Polypropylen	100	A09305
Crimp Neck	PTFE/Silicone	No	Aluminum	100	A09324
Crimp Neck	PTFE/Silicone	Yes	Aluminum	100	A09325
Snap Ring	PTFE/Silicone	No	Clear Polypropylen	100	A09344
Snap Ring	PTFE/Silicone	Yes	Clear Polypropylen	100	A09345



μ-Inserts

Maximize small sample analysis with our micro inserts. Designed for minimal volume loss, ensuring precision and efficiency in your lab's testing and research needs.

Volume [μL]	Bottom	Units per package	Article number
250	Conic with plastic spring	100	A09360
300	Conic	100	A09361
400	Flat	100	A09362

Accessories

Maximize lab efficiency: Premium crimping pliers ensure secure, leak-proof vial sealing for sample integrity in critical applications. Trust in precision and durability.



Product	Units per package	Article number
Manual Crimper Pliers	1	A09339