

**SAFE® 96 XT**

**SAFE® 96 IT**

**SAFE® 48 XT**

**SAFE® 24 XT**

Check out our new  
**GEN3**

- Automation friendly
- Protective rim against mechanical influences
- 1D side code / human readable
- Open space for customized coding
- SAFE® 3L medical polypropylene



**2D coded tube bottoms**

	SAFE® 96 XT			SAFE® 96 IT		SAFE® 48 XT			SAFE® 24 XT				
	SX 300	MX 500	LX 1000	MI 500	LI 1000	XLX 500	XLX 2000	XLX 4000	XXLX 2000	XXLX 4000	XXLX 6000	XXLX 8000	
<b>Working Volume</b>	<b>GEN3</b>			<b>Tissue Collection Cap (middle)</b> available for MI 500 & LI 1000		<b>GEN3</b>			<b>Gen 2</b>				
with Screw Cap	300 µl	500 µl	1,000 µl	480 µl	1,000 µl	500 µl	2,000 µl	4,000 µl	2,000 µl	4,000 µl	6,000 µl	8,000 µl	
with Push Cap	300 µl	500 µl	1,000 µl	550 µl	1,070 µl	n/a			n/a				
<b>Storage Temperature</b>													
with Screw Cap	- 196°C			- 196°C		- 196°C			- 196°C				
with Push Cap	- 80°C			- 80°C		n/a			n/a				
<b>Outer Diameter</b>	9.00 mm			9.00 mm		13.00 mm			17.80 mm				
<b>Tube Height</b>													
without Cap	18.5 mm	26.4 mm	46.8 mm	27.0 mm	45.1 mm	16.1 mm	43.5 mm	76.6 mm	25.0 mm	39.4 mm	55.7 mm	69.9 mm	
with Screw Cap	20.3 mm	28.2 mm	48.6 mm	33.4 mm	51.3 mm	18.3 mm	45.4 mm	78.3 mm	26.7 mm	41.2 mm	57.8 mm	72.0 mm	
with Push Cap	19.8 mm	27.8 mm	48.2 mm	28.5 mm	46.6 mm	n/a			n/a				
<b>Side code</b>													
barcode 1D	n/a	Optional	Optional	Optional		n/a	Optional			Optional			
human readable	Optional			Optional		n/a	Optional			Optional			
<b>Screw Caps</b>													
pre-capped	Yes			Yes		Yes			Yes				
on Cap Rack	Yes			Yes		Yes			Yes				
Bulkware	Yes			Yes		Yes			Yes				
<b>Optional Sterilization</b>	Beta / ETO			Beta / ETO		Beta / ETO			Beta / ETO				
<b>Availability</b>	SBS Rack, Bulk			SBS Rack, Bulk		SBS Rack, Bulk			SBS Rack, Bulk				
<b>Rack Height</b>													
non capped Tubes	18.8 mm	26.8 mm	47.1 mm	27.6 mm	45.6 mm	16.7 mm	43.8 mm	76.7 mm	25.5 mm	39.8 mm	56.0 mm	70.8 mm	
screw capped Tubes	20.6 mm	28.6 mm	48.9 mm	34.2 mm	52.3 mm	18.9 mm	45.7 mm	78.6 mm	27.2 mm	41.8 mm	58.2 mm	72.8 mm	
with Rack Lid	24.6 mm	32.5 mm	52.6 mm	38.6 mm	54.5 mm	23.7 mm	50.2 mm	82.8 mm	29.9 mm	45.0 mm	61.5 mm	78.0 mm	



# THE PERFECT TUBE FOR YOUR SAMPLE

Make sampling and storing secure, traceable, and automation friendly.



Alphanumeric Well Marking

## SAFE® RACKS

SAFE® Racks offer reliable, long-term storage down to -196 °C in a compact SBS format. Designed for seamless integration into automated systems and optimized for excellent manual handling, they combine flexibility, durability, and user-friendly design.

## SAFE® TUBES

### New cap design:

Innovative cap design with excellent sealing, easy manual handling and automation-friendly screw cap.

### Excellent sealing:

The tube feature outstanding sealing (**100% IATA and CO2 test**) that provides the highest security and reliability for your samples. LVL is the only supplier to use a two-component axial seal (**TCAS**) for its externally threaded tubes, which is based on the compression of TPE by PP. The TCA seal guarantees a durable and robust seal against liquids and gases. The fact that this type of seal is particularly effective is proven by the results of two standard tests that LVL commissioned from an external and independent organization.

### Easy manual handling:

The tube is designed for easy manual handling to maximize user-friendliness.

### Automation-friendly closure:

The closure is designed to integrate seamlessly into automated processes.

### Screw Cap Colors:

Choose from over 19 different colors for your screw cap to distinguish between different samples.



### New SAFE® L3 Medical:

Virgin, medical-grade Polypropylen (USP VI) with low leachables, low binding and low permeability properties. Cleanroom manufactured and free of DNase, RNase, DNA, RNA, Endotoxin.

### Space for Custom Coding:

The tube offers sufficient space for custom coding, allowing you to add specific information related to your lab or samples. Side free space in black is standardly laser-etched with the LVL logo and can be customized to your preferences at no extra cost.

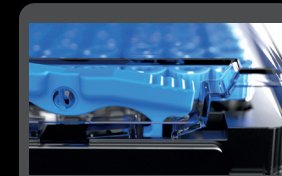
### 2D bottom code with protective rim:

The tube features a unique 2D bottom code for quick identification. A special protective rim safeguards against mechanical impacts and prevents scratches, ensuring the integrity of your samples.



Side Rack Coding

Orientation Code



### Easy Lock

Smart and easy lid locking mechanism. Press to open. Press to close. So easy and efficient, without breaking nails.



### Anti-freeze gradient

The anti-freeze gradient effectively prevents the formation of ice, which is particularly beneficial in environments with ultra low temperatures.



### Tube Centering

The automation-friendly angled guiding pins ensure precise tube centering, reduce collisions, and optimize workflow in automated systems.



### Curved Well Dividers

The protected design of the curved well dividers ensure optimal tube placement, reducing the risk of collisions ensuring smooth handling and eliminate errors.



### Orientation Code

2D orientation code on the underside of the racks and further coding options on the underside of the racks for automated sample processing optionally possible.

### Side 1D barcode & side clear text:

The 1D barcode on the side is identical to the 2D bottom code of the tube, primarily securing the valuable sample contents. Additionally, the 1D barcode is present as a readable text.

### This triple security:

- Bottom code (2D)
- Side barcode (1D)
- Code on side as human readable code ensures that your samples are not only secure but also easily identifiable.

## FIND THE PERFECT TUBE FOR YOUR SAMPLE



Link: Tube-Configurator

## Suitable for the following SAFE® devices and accessories

### SAFE® CAPPER FAMILY



### LVL SAFE® EXTRAS



### LVL SAFE® Reader



### Tube Laser Marker 864



Fully customizable



High Contrast Coding



Low Leachables Medical Polypropylene



U-Bottom for maximum Capacity with minimum dead volume

**100% IATA & CO2 TEST LEAK PROOF**



Unique 12-Digit Code

**E-BEAM / ETO STERILIZATION**



Temperature up to -196°C



Automation Friendly System



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