

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

Working Volume

with Screw Cap
with Push Cap

Storage Temperature

with Screw Cap
with Push Cap

Outer Diameter

Tube Height

without Cap
with Screw Cap
with Push Cap

Side code

barcode 1D
human readable

Screw Caps

pre-capped
on Cap Rack
Bulkware

Optional Sterilization

Availability

Rack Height

non capped Tubes
screw capped Tubes
with Rack Lid

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



GEN3

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Tissue Collection Cap (middle)
available for MI 500 & LI 1000

GEN3

GEN3

GEN3

Gen 2

Gen 2

Gen 2

Gen 2

300 µl
300 µl

500 µl
500 µl

1,000 µl
1,000 µl

480 µl
550 µl

1,000 µl
1,070 µl

500 µl

2,000 µl
n/a

4,000 µl

2,000 µl

4,000 µl
n/a

6,000 µl

8,000 µl

- 196°C
- 80°C

- 196°C
- 80°C

- 196°C
n/a

- 196°C
n/a

9.00 mm

9.00 mm

13.00 mm

17.80 mm

18.5 mm
20.3 mm
19.8 mm

26.4 mm
28.2 mm
27.8 mm

46.8 mm
48.6 mm
48.2 mm

27.0 mm
33.4 mm
28.5 mm

45.1 mm
51.3 mm
46.6 mm

16.1 mm
18.3 mm
n/a

43.5 mm
45.4 mm
n/a

76.6 mm
78.3 mm

25.0 mm
26.7 mm
n/a

39.4 mm
41.2 mm

55.7 mm
57.8 mm

69.9 mm
72.0 mm

n/a
Optional
Optional

Optional
Optional

n/a
Optional
Optional

Optional
Optional

Yes
Yes
Yes

Yes
Yes
Yes

Yes
Yes
Yes

Yes
Yes
Yes

Beta / ETO

Beta / ETO

Beta / ETO

Beta / ETO

SBS Rack, Bulk

SBS Rack, Bulk

SBS Rack, Bulk

SBS Rack, Bulk

18.8 mm
20.6 mm
24.6 mm

26.8 mm
28.6 mm
32.5 mm

47.1 mm
48.9 mm
52.6 mm

27.6 mm
34.2 mm
38.6 mm

45.6 mm
52.3 mm
54.5 mm

16.7 mm
18.9 mm
23.7 mm

43.8 mm
45.7 mm
50.2 mm

76.7 mm
78.6 mm
82.8 mm

25.5 mm
27.2 mm
29.9 mm

39.8 mm
41.8 mm
45.0 mm

56.0 mm
58.2 mm
61.5 mm

70.8 mm
72.8 mm
78.0 mm



THE PERFECT TUBE FOR YOUR SAMPLE

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

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.

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.



Screw Cap Colors:

Choose from over 20 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.



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.

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.



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

Find out more:
LVL technologies



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SAFE®
Store Aliquots For Ever