

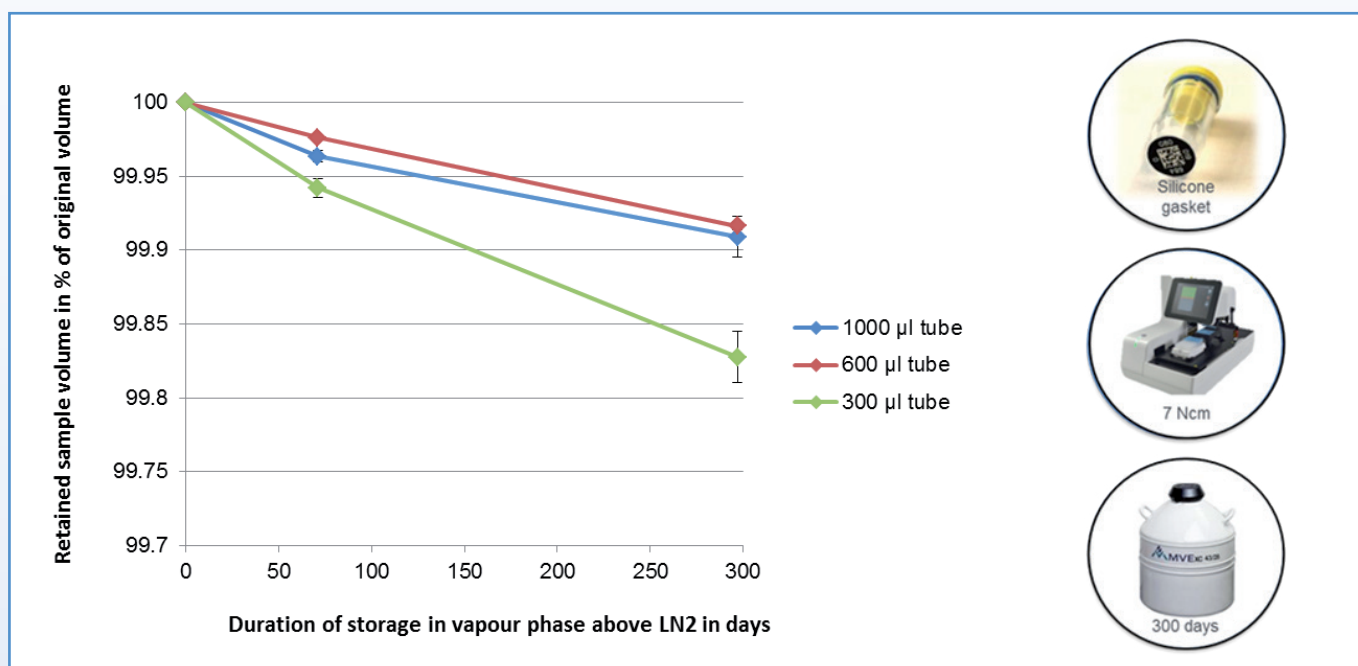
Cryo.s™ Biobanking Screw Cap Tubes

Sample retention and tube tightness in long-term storage

Method

- Usage of Cryo.s™ Biobanking tubes with screw cap and silicone gasket
- Weighed portion of water (900, 500, 200 µg)
- Tube closure applying 7 Ncm with Hamilton LabElite DeCapper
- Vapour-phase storage
- Overnight tube thawing and drying
- Tube weighing
- Refreezing

Result



Tube size	Retained sample volume of original volume		
	After 300 days	After 10 years (extrapolated)	After 20 years (extrapolated)
300 µl tube	99.79 % +/- 0.021 %	97.88 % +/- 0.215 %	95.76 % +/- 0.430 %
600 µl tube	99.90 % +/- 0.017 %	98.97 % +/- 0.170 %	97.95 % +/- 0.340 %
1000 µl tube	99.89 % +/- 0.003 %	98.88 % +/- 0.033 %	97.76 % +/- 0.066 %