

TECHNICAL INFORMATION

The specific activity of our liquid sources is characterized by means of NaI scintillators, HPGe semi-conductors or liquid scintillation analyzers.

They are calibrated under COFRAC* protocols.

The measurement uncertainty varies between 1% and 8% depending of the radionuclide and the geometry.

*Scope N°2-6386 available on www.cofrac.fr or upon request.

ACTIVITIES

The specific activity levels available as catalog reference are :

- 0.001 $\mu\text{Ci/g}$ (0.04kBq/g)
- 0.01 $\mu\text{Ci/g}$ (0.04kBq/g)
- 1.1 $\mu\text{Ci/g}$ (40kBq/g)
- 21.6 $\mu\text{Ci/g}$ (800kBq/g)
- 261.2 $\mu\text{Ci/g}$ (8 000kBq/g)

STANDARD GEOMETRIES

- Ampoules
- V-Vial bottles
- Penicillin bottles
- Standardized bottles

Our liquid sources can be conditioned in other geometries offered in our catalog or provided by the customer.

METROLOGY WARRANTY

The LEA recommends and guarantees the calibration values for a period of 2 radioactive half-lives or for a maximum duration of 2 years.

V-Vial-Penicillin Geometry: The LEA recommends and guarantees the calibration values for a duration of 3 months.

Type A

Ampoule

Useful volume 0.06 in³



Type B

Ampoule

Useful volume 0.31 in³



Type U

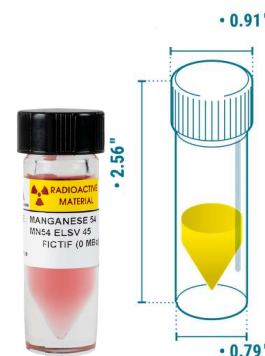
V-Vial

Useful volume 0.06 in³



Type V

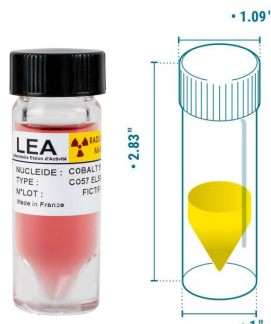
Useful volume 0.



Type W

V-Vial

Useful volume 0.61 in³



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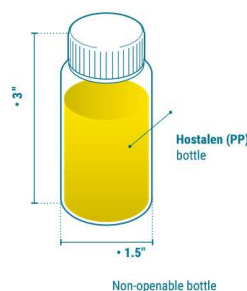
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Type E

SG50

Useful volume 3.1 in³



Non-openable bottle

Type F

Useful volume 3.1 in³



Non-openable bottle

Type D Pénicilline • Penicillin

Useful volume 0.06 in³



Type J Pénicilline • Penicillin

Useful volume 1.22 in³



*Maximum activity = 0.001 $\mu\text{Ci/g}$

Type L Pénicilline • Penicillin

Useful volume 0.31 in³

