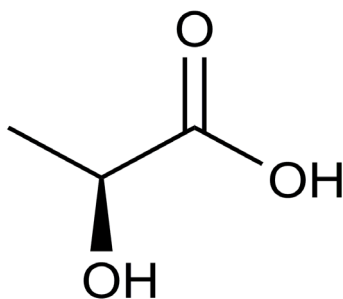


## L-LACTIC ACID STANDARD SOLUTION (1 g/L)

AS-LATE

11/25

**CAS:** 79-33-4  
**Synonyms:** L-(+)-lactic acid, (2S)-2-Hydroxypropionic acid  
**Molecular Formula:** C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>  
**Molecular Weight:** 90.08  
**Concentration:** 1 g/L in 0.02% sodium azide



### RECOMMENDED APPLICATIONS:

Analytical standard solution for use as a control sample or calibrator with analytical test kits that measure L-lactic acid. Especially for use to generate calibration curves for auto-analyser or microplate assay formats with the following enzymatic tests kits: **K-LATE**, **K-DLATE**.

### CALIBRATION CURVE PREPARATION

Standard Id	L-Lactic acid (g/L)	Preparation
S1	1.0	Use AS-LATE as supplied
S2	0.5	Dilute S1 1:1 with distilled water*
S3	0.25	Dilute S2 1:1 with distilled water*
S4	0.125	Dilute S3 1:1 with distilled water*
S5	0	Use distilled water only

\* e.g. Accurately pipette 0.5 mL Standard "X" and 0.5 mL of distilled water into a polypropylene tube and vortex to mix thoroughly.

**Note:** This calibration curve preparation method is provided as an example only. Prepare the required concentrations to suit the assay format, test kit and or application being used.