

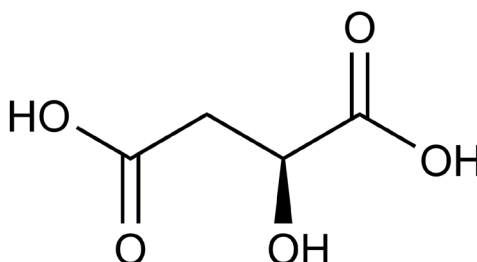


## L-MALIC ACID STANDARD SOLUTION (6 g/L) (Lot 190403a)

AS-LMAL

07/19

**CAS:** 97-67-6  
**Synonym:** (S)-(-)-Malic acid, (S)-(-)-2-Hydroxysuccinic acid, L-Hydroxybutanedioic acid  
**Molecular Formula:** C<sub>4</sub>H<sub>6</sub>O<sub>5</sub>  
**Molecular Weight:** 134.08  
**Concentration:** 6 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-malic acid. Especially for use to generate calibration curves for auto-analyser or microplate assay formats with the following enzymatic tests kits: **K-LMALQR**, **K-LMALAF**.

### CALIBRATION CURVE PREPARATION

Standard ID	L-Malic acid (g/L)	Preparation
S1	6.0	Use AS-LMAL as supplied
S2	3.0	Dilute S1 1:1 with distilled water*
S3	1.5	Dilute S2 1:1 with distilled water*
S4	0.75	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.