

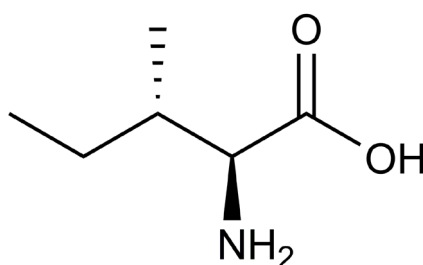


## ISOLEUCINE STANDARD SOLUTION (0.2 g N/L) (Lot 190501)

AS-NOPA

07/19

**CAS:** 73-32-5  
**Synonym:** (2S,3S)-2-Amino-3-methylpentanoic acid  
**Molecular Formula:** C<sub>6</sub>H<sub>13</sub>NO<sub>2</sub>  
**Molecular Weight:** 131.17  
**Concentration:** 0.2 g N/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 primary amino nitrogen. Especially for use to generate calibration curves for auto-analyser or microplate assay formats with the following enzymatic tests kits: **K-PANOPA**.

### CALIBRATION CURVE PREPARATION

Standard ID	Isoleucine (g N/L)	Preparation
S1	0.2	Use AS-NOPA as supplied
S2	0.1	Dilute S1 1:1 with distilled water*
S3	0.05	Dilute S2 1:1 with distilled water*
S4	0.025	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.