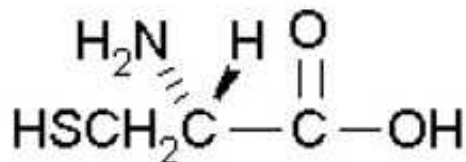


## Product Information Sheet

**C204**

**L-Cysteine, Free Base**



Synonym: (R)-2-Amino-3-mercaptopropanoic Acid  
CAS: 52-90-4  
Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S  
Molecular Wt: 121.16

### Properties

Form: Powder  
Appearance: White Crystalline  
Application: Amino Acid  
Solubility: Water  
Typical Working Concentration:  
Storage Temp: Room Temperature  
Storage Temp of Stock Solution: Cysteine is readily oxidized to Cystine in neutral to slightly alkaline solutions or upon exposure to air in as little as 1 week at 2 to 6° C. Cystine may precipitate at higher concentrations and a sulfur odor may be present. For short to long-term storage, Cysteine stocks are more stable in acidic conditions and should be stored at least at 2 to 6° C.  
Other Notes: Plant Tissue Culture Tested  
Derived from a Non-animal Source

### Application Notes

### References

Merck 13, 2810

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