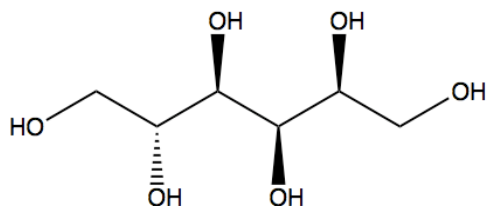


Product Information Sheet

S744
D-Sorbitol


Synonym: D-Glucitol

CAS: 50-70-4

 Formula: C₆H₁₄O₆

Molecular Wt: 182.17

Properties

Form: Powder

Appearance: Off-White to White

Application: Carbohydrate Source; Molecular Biology

Solubility: Water

Typical Working Concentration: Varies with application, should be determined by end user.

Storage Temp: Room Temperature

Other Notes: Plant Tissue Culture Tested

Application Notes

Sorbitol has been used in isoelectric focusing to minimize endosmotic flow in agarose gels (Garfin, 1990).

It is also used in bacterial culture media to distinguish the pathogenic strain of *Escherichia coli* (O157:H7) from most other strains of *E. coli*, as the pathogenic strain is incapable of fermenting sorbitol (Wells et al, 1983).

References

Garfin, D.E. (1990) Isoelectric focusing. *Meth. Enzymol.* **182**, 459-477.

Merck **13**, 8797

Wells JG, Davis BR, Wachsmuth IK, et al. (1983) Laboratory investigation of hemorrhagic colitis outbreaks associated with a rare *Escherichia coli* serotype. *Journal of clinical microbiology* **18** (3): 512–20.

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