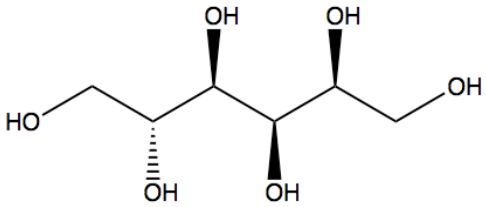
Product Information Sheet

S744
D-Sorbitol



Synonym:	D-Glucitol
CAS:	50-70-4
Formula:	$C_6H_{14}O_6$
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 endoosmotic 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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