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TECHNICAL INFORMATION

Catalog Number: 101321, 160041, 813711, 813729, 813700
Cesium chloride reagent grade

Structure:



Molecular Formula: CsCl

Molecular Weight: 168.37

CAS # : 7647-17-8

Physical Description: White crystalline powder

Solubility: Freely soluble in water(50% aqueous-clear, colorless solution); soluble in ethanol, alcohol

Description: Typically used for density gradient work⁵ and for the purification of virus/phage⁴, nucleic acids and nucleoproteins.
2,3,6

Availability:

| Catalog Number | Description | Size |
|----------------------------|---|---|
| 101321 | Cesium Chloride, reagent grade Purity: Approximately 99% | 25 g 100 g 250 g 500 g 1 kg |
| 813711 813729 813700 | Cesium Chloride, Optical Grade II Purity: Not less than 99.9% Typically used for virus, nucleic acid and nucleoprotein purification | 100 g 500 g 1 kg |
| 160041 | Cesium Chloride, Optical Grade I Purity: Not less than 99.99% Solutions are clear and colorless; suitable for density gradient work, nucleic acid and protein purification | 5 g 25 g 100 g 500 g 1 kg |

References:

- Merck Index, **13th Ed.**, No. 2021.
- Cooney, C.A. and Matthews, H.R., *Meth. Mol. Biol.*, **v. 2**, 21 (1984).
- Karlovsky, P., de Cock, A.W.A.M., "Bouyant density of DNA - Hoechst 33258 complexes in CsCl gradients." *Anal. Biochem.*, **v. 194**, 192 (1991).
- Miller, H., *Meths. Enzymol.*, **v. 152**, 159 (1987).
- Sambrook, J., et al., *Molecular Cloning: A Laboratory Manual*, Cold Spring Harbor Laboratory, pp. 7.19-7.22 (1989).
- Turpen, T.H. and Griffith, O.M., *Biotechniques*, **v. 4**, 11 (1986).