



# Product Specifications

## CESIUM CHLORIDE Technical Grade >99.9% Pure

<u>Catalog #</u>	<u>Size</u>
IB37042	1Kg

### Physical Specifications

CAS#	7647-17-8
Formula Weight	168.36
Molecular Formula	CsCl
Purity	>99.9%
Solubility (6.0M)	Complete, clear
A <sub>280</sub> (6.0 M)	<0.05
pH (1.0 M)	5.7 to 6.7
Density (50% w/v)	1.55-1.65g/ml
Conductivity (1.0M)	>80,000µmho
Lithium	<1ppm
Sodium	<50ppm
Potassium	<20ppm
Rubidium	<50ppm
Calcium	<50ppm
Heavy Metal	<10ppm
Sulfate	<10ppm

### Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected

### Recommended Use

Provides technical grade cesium chloride for purification of DNA by density gradient centrifugation. Use 1g/ml of cesium chloride (final concentration) and centrifuge for two days at approximately 50,000rpm. The DNA, RNA, and proteins will separate. **Example:** For a 50ml gradient use 50gm of cesium chloride.

### Storage

Store at room temperature. Keep tightly sealed. Protect from moisture. Cesium Chloride is hygroscopic.

### Warning

Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. See Material Safety Data Sheet for additional information.