



## Product Information

### Potassium chloride Plant Cell Culture Tested

Product Number **P 8041**  
Store at Room Temperature

#### Product Description

Molecular Formula: KCl  
Molecular Weight: 74.55  
CAS Number: 7447-40-7

This product is plant cell culture tested and is suitable for use in plant cell culture applications.

Potassium chloride is a widely used reagent in biochemistry and molecular biology. It is a component of phosphate buffered saline (PBS, Product No. P 3813) and of polymerase chain reaction (PCR) buffer (50 mM KCl).<sup>1</sup> KCl is also used in studies of ion transport and potassium channels.<sup>2,3</sup>

KCl is also utilized in the solubilization, extraction, purification, and crystallization of proteins.<sup>4,5,6,7</sup> The use of KCl in the crystallization of histone core octamers has been reported.<sup>8</sup>

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Preparation Instructions

This product is soluble in water (200 mg/ml), yielding a clear, colorless solution. It is also soluble in glycerol.<sup>9</sup>

#### Storage/Stability

The density of a saturated aqueous KCl solution at 15 °C is 1.172 g/ml. Solutions of KCl may be autoclaved.<sup>1</sup>

#### References

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