



Product Information Sheet

P6826

Potassium ferrocyanide (II)

Synonym: Potassium hexocyanoferrate(II) trihydrate
CAS: 14459-5-1
Formula: $K_4Fe(CN)_6$
Molecular Wt: 422.39 g/gmol

Properties

Form: Crystalline
Appearance: Yellow crystals
Application: GUS Staining solution, Perl's Stain
Solubility: 0.25 g/L in water
Typical Working Concentration: 0.5-5 mM (Total in combination with P6626 1-10 mM)
Storage Temp: Room Temperature
Other Notes: Protect from light

Application Notes

Please Note: While *PhytoTechnology Laboratories®* tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

Mild oxidative catalyst that has been shown to aid the indoxyl derivative product of X-Gluc to dimerize and precipitate *in vitro* (Lojda 1971). It has also been used in Perl's stain to identify ferric iron (e.g. Fe^{3+}) in plant tissue (Green and Rodgers 2004).

References

Merck 13, 7713

Z. Lojda.(1971) *Histochemie* Vol. 27. pg 182-192

L.S. Green and E.E. Rodgers. (2004) *Plant Physiol.* Vol. 136. pg 2523-2531

PhytoTechnology Laboratories®

P.O. Box 12205 • Shawnee Mission, KS • 66282-2205

Phone: 1-913-341-5343 or 1-888-749-8682 (U.S. Only) Fax: 1-913-341-5442 or 1-888-449-8682 (U.S. Only)

Web Site: www.phytotechlab.com

© 2014 *PhytoTechnology Laboratories®*