



Product Information Sheet

G3251
Gelzan™ CM
Gellan Gum Powder

Synonym: This product is sometimes co-listed as "Gelrite™" by some suppliers. However, Gelrite is no longer made and this product (Gelzan) has a lower gel strength than that of the original Gelrite.

CAS: 71010-52-1

Properties

Form: Powder
Appearance: White to Cream Powder
Application: Plant Tissue Culture Gelling Agent
Solubility: Soluble in Boiling Water
Typical Working Concentration: 2 to 4 grams per liter, more for low Ca/Mg media
Storage Temp: Room Temperature
Other Notes: Transparency: Minimum 80%
Gel Strength: 400 – 700 g/cm²
Plant Tissue Culture Tested

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.

As with all gellan gum products, Gelzan forms the most efficient gels in the presence of divalent cations (i.e., calcium and magnesium). Low levels of these products will require the addition of more Gelzan. However, high calcium levels, such as those in DKW Medium (9.3 mM Ca⁺⁺), have shown to produce a soft and cloudy gel. No gellan gum product is recommended for use in media containing comparable calcium levels to those of DKW Medium.

Gelzan and Gelrite are trademarks of CP Kelco U.S., Inc.

References

Merck **13**, 4394

Revised 12/2009

PhytoTechnology Laboratories®

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

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

Web Site: www.phytotechlab.com

© 2009 *PhytoTechnology Laboratories*®