PLANT TISSUE CULTURE
VALIDATED PRODUCTS TO ENSURE SUCCESS

SIGMA-ALDRICH®
Sigma-Aldrich’s combination of qualified plant tissue culture products and global business capabilities help customers maintain reagent consistency and suitability.

Products are made available on six continents through Sigma-Aldrich’s global distribution network, ensuring regional availability and enabling reagent standardization.
A PARTNER YOU CAN TRUST
Sigma-Aldrich Chemical Expertise Enables Plant Tissue Culture

Tissue Culture Reagents are Chemicals
Plant culture media are a blend of organic and inorganic chemical compounds. Sucrose and thiamine are chemicals, just as 2,4-dichlorophenoxyacetic acid is a chemical. Each has a distinct chemical composition and properties that are assigned a unique numeric identifier by the American Chemical Society (CAS number).

Specialty Chemicals are Sigma-Aldrich’s Strength
Sigma-Aldrich provides the most comprehensive range of products and enabling technologies for chemical research. We have nearly 212,000 products with 167,000 chemicals and biochemicals and 50,000 chemicals manufactured in-house. Our unrivaled scientific knowledge allows us to meet the chemical needs of researchers.

Tissue Culture Reagents are Sigma-Aldrich’s Strength
Plant researchers have trusted Sigma-Aldrich for more than two decades and we remain committed to providing chemicals for plant culture use. We currently offer over 175 products that are assayed for their suitability in plant cell culture.
Proven Performance Allows Sigma-Aldrich to Meet Your Expectations

Quality is Our Reputation
Our commitment to quality is consistent across everything we do. The care and stringency that Sigma-Aldrich puts into manufacturing pharmaceutical compounds and diagnostic reagents extends to our manufacturing of plant culture chemicals.

Delivering Collaboration
Sigma-Aldrich's commitment to developing and delivering the highest quality products and services results in distinctively collaborative relationships with our customers.

Solution-oriented Customization
Sigma-Aldrich recognizes that not all plant cultures are the same. We offer customers the ability to customize qualification assays to meet their specific needs.
Sigma-Aldrich’s Global Locations
Serve Your Global Operations

Global Presence
With 9,000 employees across 38 countries, Sigma-Aldrich has the personnel, infrastructure and facilities to meet your needs throughout the world.

Global Regulatory Knowledge
Working with a partner who understands your manufacturing and regulatory requirements is key to ensuring supply chain reliability. Sigma-Aldrich’s vast experience and understanding of global supply chain management is unsurpassed.

Global Supply Chain
Sigma-Aldrich allows researchers to standardize plant tissue culture reagents across multiple locations by using a single lot of material. We can utilize our global distribution capabilities and real-time inventory tracking to ensure reagents are available where and when you need them.
Sigma-Aldrich’s Commitment to Supporting the Global Community

**Environmental Sustainability**
- Promotes greater environmental responsibility and supports energy conservation
- Continually evaluate opportunities to partner with our customers

**Social Responsibility**
- Committed to serving communities where we live and work
- Promote community spirit by establishing mutually beneficial relationships with communities touched by our business

**Fiscal Accountability**
- Honest and ethical business conduct
- Commitment to transparency, responsibility and compliance

**Awards and Recognition**
- Member of the MSCI World SRI Index, 2012-2013
- Top 50 Most Community-Minded Company Winner
- 290 - Newsweek 2012 Green Rankings
- CDP Climate Disclosure Leader 2013
- NYSA Euronext Vigeo World 120
- Natural Capital Efficiency Leader 2014
- Most Sustainable Corporations in the World - Global 100
- Member of Dow Jones Sustainability Indices (In Collaboration with RobecoSAM)
Capabilities to Meet Your Needs

Custom Solutions from Development to Manufacturing
Throughout the development and manufacturing stages, Sigma-Aldrich has the expertise to provide custom solutions to ensure your success. We are ready to partner with you on everything from specific lot reserve to product development.

• Custom Packaging
• Bulk Capabilities
• eCommerce platform
• Custom Specifications
• Global Distribution
• Order Management
Product Listing

• Gelling Agents
  – Phytagel™, Gelzan™ & Agargel™

• Plant Growth Regulators
  – Colchicine

• Culture Media, Salts & Vitamins
  – Murashige & Skoog Media

• Antibiotics
  – Carbenicillin

• Sugars
  – Glucose, Mannose & Sucrose

• Plasticware
  – Phytatray™

• Microbial Media
  – L-Broth, Yeast Extract & SOC

• Auxins & Cytokinins
  – 2,4-Dichlorophenoxy acetic Acid
    – Zeatin

• Amino Acids
  – Glutamine, Arginine & Asparagine

To view a full list of targeted products for plant tissue culture, click here.