PowerPlant™ DNA Isolation Kit

Isolate quality DNA from plants including those high in polyphenols and polysaccharides

The PowerPlant™ DNA Isolation Kit provides a novel method for isolating high quality genomic DNA from a variety of plant tissues, such as leaves, roots, and seeds. This unique hands-off homogenization uses a bead beating format and allows up to 24 samples to be processed at the same time using either a vortex adapter or a bench top homogenizer such as MO BIO’s Precellys® 24 Homogenizer. Nearly all types of plant tissues can be processed without hand grinding or liquid nitrogen freezing. With this kit’s novel PCR inhibitor removal system, pure genomic DNA can be obtained in less than 60 minutes.

GIVES YOU THE POWER TO DO MORE!

- Purify DNA from PCR inhibiting materials such as polysaccharides and polyphenols
- Cost-effective hands-off homogenization through a vortex adapter and a vortex
- Extract DNA without hand grinding; eliminating the need to clean grinding tools between samples
- Includes robust, customized tubes to bead beat and homogenize without tube breakage
- Compatible with MO BIO’s Precellys® 24 or any bench top homogenizer

SUCCESSFUL DNA ISOLATION SAMPLE

- Arabidopsis ✓
- Pine needle ✓
- Cotton ✓
- Sunflower ✓
- Strawberry ✓
- Grape ✓
- Rice ✓
- Corn ✓
- Wheat ✓
- And More… ✓

www.mobio.com
Toll Free: 800-606-6246

The PowerPlant™ DNA Isolation Kit is efficient with a variety of plant types.
LI-COR’s LI-6400 leads the way as the premiere portable photosynthesis system. Continuously developed and enhanced since 1995 to meet demanding research needs, LI-6400 design firsts include –

- IRGAs in the sensor head
- User cleanable optics
- Leaf chamber fluorometer
- Red/blue LED light source
- Remote Internet access NEW!
- Customer training program
- Real-time graphics
- Auto programs
- Multiple chamber options

The most referenced photosynthesis system in the world.

See the LI-6400 on the Web at www.licor.com/6400

GAS EXCHANGE & PAM FLUOROMETERS

Dual-PAM-100
P700 & Chlorophyll Fluorescence System

Simultaneous Assessment of PSI and PSII Quantum Yields.

DualPAM software executes pre-programmed measuring routines with ease and also allows user to create custom test routines.

All essential light sources (fluorescence excitation light, NIR P700 measuring light, red and blue actinic light, single and multiple turnover saturating flashes, far red light) are integrated in the basic system.

Optional emitter-detector modules for measuring other key photosynthesis parameters (ΔpH, P515, membrane potential, NADPH).

LI-COR Biosciences
800-447-3576
LI-6400 is covered by patents pending. © 2006 LI-COR Biosciences

Dual-PAM-100
P700 & Chlorophyll Fluorescence System

Successor to the renowned PAM-101 series, the Dual-PAM-100 will profoundly change photosynthesis research by providing both specialists and non-specialists unprecedented measurement capabilities of Photosystem I and II.

Based on a highly innovative pulse-modulation technique, absorbance changes of P700 (reaction center chlorophyll of PS I) are measured with a similar signal/noise ratio as Chl fluorescence. The Saturation Pulse method was extended to provide analogous information on PS I via P700 as is obtained via Chl fluorescence on PS II.

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GFS-3000
Imaging PAM

M-Series

Imaging PAM

MAXI-
Up to 10 x 13 cm

Microscopy

130 x 150 um
130 - 1300x Magnification

PAM-2100

Heinz Walz, GmbH • Eichenring 6 • 91090 Effeltrich • Germany
Tel: +49-(0)9133/7765-0  Fax: +49-(0)9133/5395  www.walz.com
For USA contact our Massachusetts office:
Tel: 978-433-2757  mail@walz-usa.com