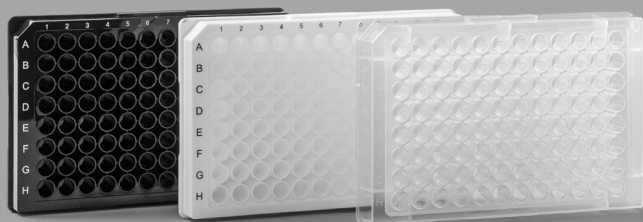


Product outline

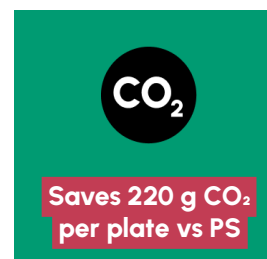
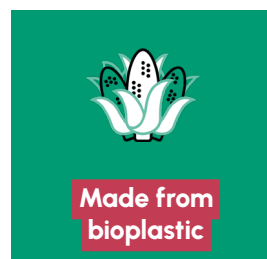
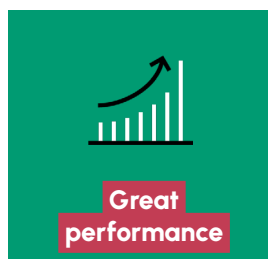
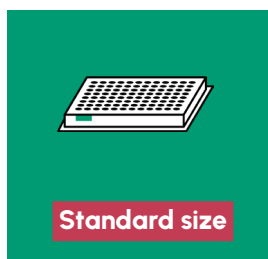
Green Elephant® 96-well microPLAte



- **High performance 96-well microPLAte made from bioplastic**
- 50% reduction in environmental impact compared to polystyrene plates
- **Flat-bottom, without lids, non-sterile**
- Suitable for colorimetric, luminescence- and fluorescence-based assays, immunoassays, imaging, and quantifications
- **Compatible with leading robotics, plate readers, and standard laboratory equipment**
- Manufactured in Germany, available worldwide through direct and distributor sales
- **Available in clear, black and white with F-bottom, meeting Standards ANSI/SLAS 1-2004 through ANSI/SLAS 4-2004**

Ditch the oil-plastic microplates, choose bioplastic. Well done you!

Simply swap your oil-based polystyrene microplates for plant-based bioplastic microPLAte. MicroPLAte are the same size, same design, great assay performance, just half the environmental impact. Manufactured in Germany under ISO 9001 conditions, Green Elephant Biotech's 96-well microPLAte meet Standards ANSI/SLAS 1-2004 to 4-2004. That means you can continue your experiments just as before - only now with the added benefit of choosing a more sustainable option.



Make the move from oil plastic polystyrene (PS) to bioplastic polylactic acid (PLA) microPLAte

- ✓ **High performance in your lab**
 - Standard size, great performance, just made of bioplastics
 - Great chemical resistance and long-term storage stability
 - Simple swap for a wide range of applications including colorimetric, luminescence- and fluorescence-based assays, immunoassays, imaging, and quantifications
- ✓ **Better for the environment**
 - Made from plant-based bioplastic polylactic acid (PLA)
 - 50% reduction in environmental impact
 - Disposed of just as normal to release the CO₂ captured first captured by the corn
 - Helps your lab reach its sustainability targets

High-performance bioplastic microPLAte.
For more sustainable workflows.

Order online and join the herd at www.greenelephantbiotech.com

Green Elephant® 96-well microPLates are made of injection moulded PLA in Germany to industry standards

Design

- MicroPLates meet standards ANSI/SLAS 1-2004 through ANSI/SLAS 4-2004
- Made from 100% plant-based material
- Weight: 49 g per plate
- Width: 85.18 mm, Length 127.76 mm, Height 14.35 mm

Performance

- Theoretical total volume: 372 µL/well
- Working volume: 50 – 200 µL/well
- Material: ≥98 % Polylactic acid
- Color: Clear, black, white
- Temperature range: - 80 °C to 40 °C
- Storage: Room temperature, sunlight protected
- Centrifugability: Yes, up to 4000 xg
- Autoclavability: No
- Certificates: Endotoxin-free, non-cytotoxic, free of animal contents, human DNA, DNase-, and RNase-free



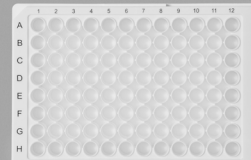
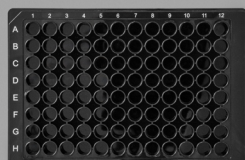
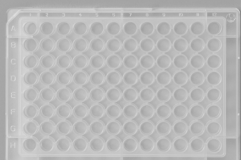
Logistics

- Packing unit: 25 pieces per bag; 100 pieces per case
- Packaging dimension (100 pcs): 410 x 350 x 270 mm
- Shelf life: 24 months

Quality

- Products undergo continuous quality controls regarding function, precision, and reproducibility
- ISO 9001:2015-09 certified QMS
- Traceability to production is ensured through a standardized lot number system
- Manufactured in Germany

Suitable for...



- ✓ Colorimetric cell viability & enzyme activity assays
- ✓ ELISA & immunoassays
- ✓ Nucleic acid & protein quantification, nucleic acid purification
- ✓ Metabolic substrate quantification
- ✓ Cell & colony visualization and imaging
- ✓ Sample dilution, flow cytometry sample prep, PCR prep
- ✓ Cell dilution and staining (trypan blue)

- ✓ Fluorescent viability & enzyme activity assays
- ✓ Fluorescent DNA/RNA quantification
- ✓ Fluorescent ROS, membrane potential & ion flux studies
- ✓ Fluorescent reporter gene systems & protein tags
- ✓ Fluorescent intracellular pH & environment probes

- ✓ Luminescent cell viability & enzyme activity assays
- ✓ Chemiluminescent assays
- ✓ Luminescent ADME/mechanism of action studies
- ✓ Luminescent apoptosis, necrosis & cell health pathways
- ✓ Luminescent ROS, inflammation & receptor binding/protein-protein interaction studies



Want to try our PLates?
Get our 96-well microPLate Sample Pack.



96-well microPLates	Product code	Product name	Pack
Sample Pack, clear	GEB-3WP96FBT	Green Elephant® 96-well microPLates, clear, f-bottom, 3 pcs	3
25-piece Pack, clear	GEB-25WP96FBT	Green Elephant® 96-well microPLates, clear, f-bottom, 25 pcs	25
100-piece Pack, clear	GEB-WP96FBT	Green Elephant® 96-well microPLates, clear, f-bottom, 100 pcs	100
Sample Pack, black	GEB-3WP96FBB	Green Elephant® 96-well microPLates, black, f-bottom, 3 pcs	3
25-piece Pack, black	GEB-25WP96FBB	Green Elephant® 96-well microPLates, black, f-bottom, 25 pcs	25
100-piece Pack, black	GEB-WP96FBT	Green Elephant® 96-well microPLates, black, f-bottom, 100 pcs	100
Sample Pack, white	GEB-3WP96FBW	Green Elephant® 96-well microPLates, white, f-bottom, 3 pcs	3
25-piece Pack, white	GEB-25WP96FBW	Green Elephant® 96-well microPLates, white, f-bottom, 25 pcs	25
100-piece Pack, white	GEB-WP96FBW	Green Elephant® 96-well microPLates, white, f-bottom, 100 pcs	100