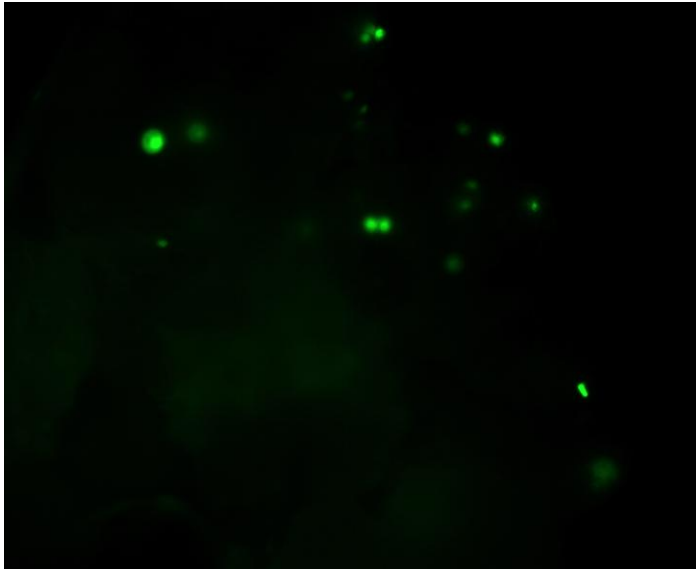


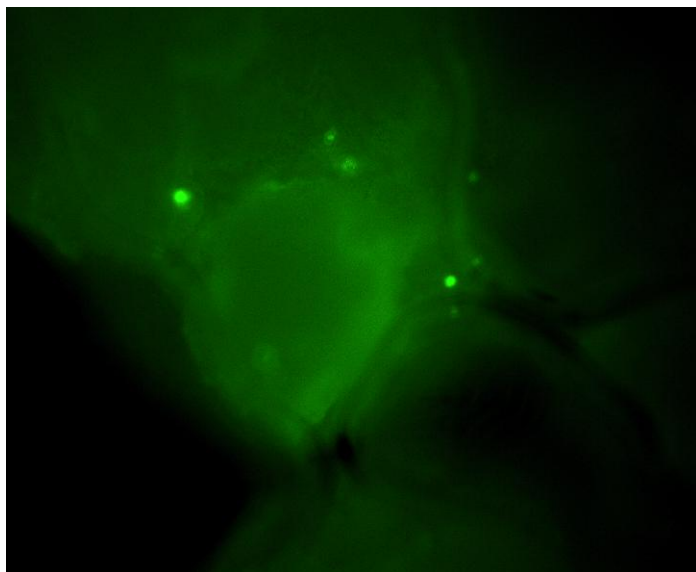
## *Oryza sativa* L. callus



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
1 µg DNA/ 0.6 mg gold  
Gold size: 1.0 µm  
Reporter gene: GFP gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min  
Promoter: Maize ubiquitin  
Plasmid size: 18 kb

### Sample description:

Rice callus was incubated in suspend form within the liquid medium.



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: UTS-10 (2 cm shielder)  
DNA concentration:  
1 µg DNA/ 0.6 mg gold  
Gold size: 1.0 µm  
Reporter gene: GFP gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min  
Promoter: Maize ubiquitin  
Plasmid size: 18 kb

## *Chenopodium album* Leaf (*in vivo*)



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: LC-10, 6 cm.  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GFP gene  
GDS-80 setting: 5 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

Plant was grown for 30 days before delivery and the leaf size is about 5 x 6 cm<sup>2</sup>.



### Image description—

- (A) True color image
- (B) Fluorophore-of-interest

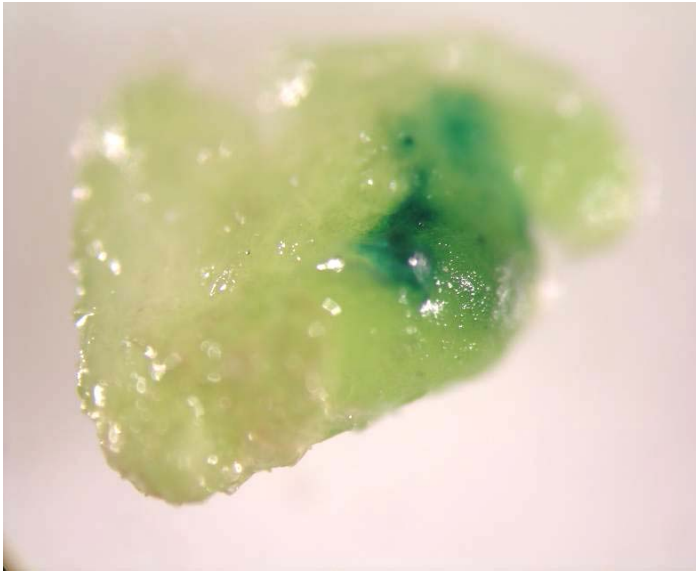
### Captured by:

Maestro™ CRI *in vivo*  
imaging system

### Acquisition wavelength:

530 nm

## *Phalaenopsis* spp. PLB



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

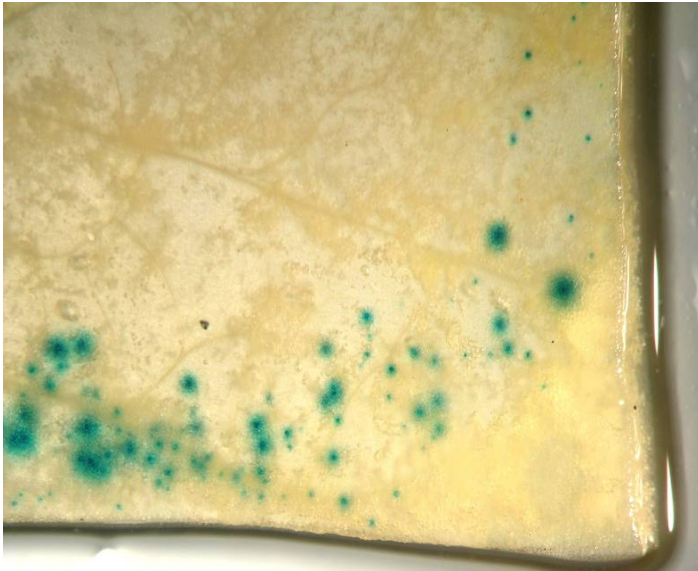
### Sample description:

Fresh induced PLB, about 2 mm<sup>3</sup> in size.



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

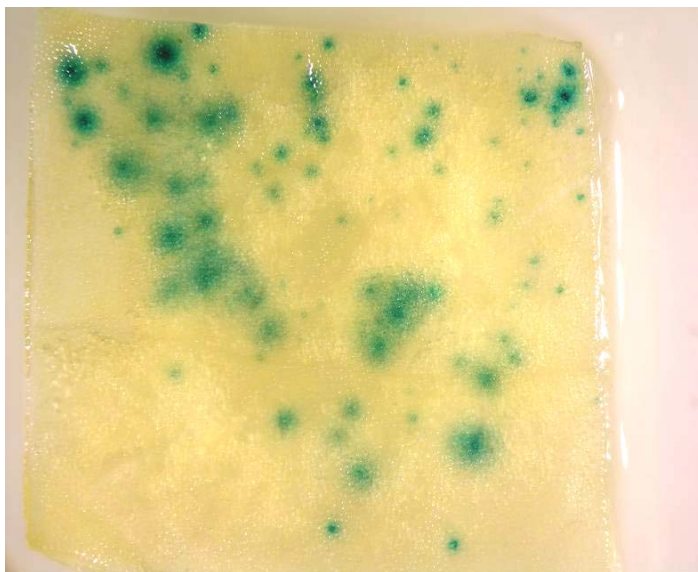
## *Doritaenopsis Petal*



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5  $\mu$ g DNA/ 1.48 mg gold  
Gold size: 1.6  $\mu$ m  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10  $\mu$ L  
Gas flow rate: 10~15 L/min

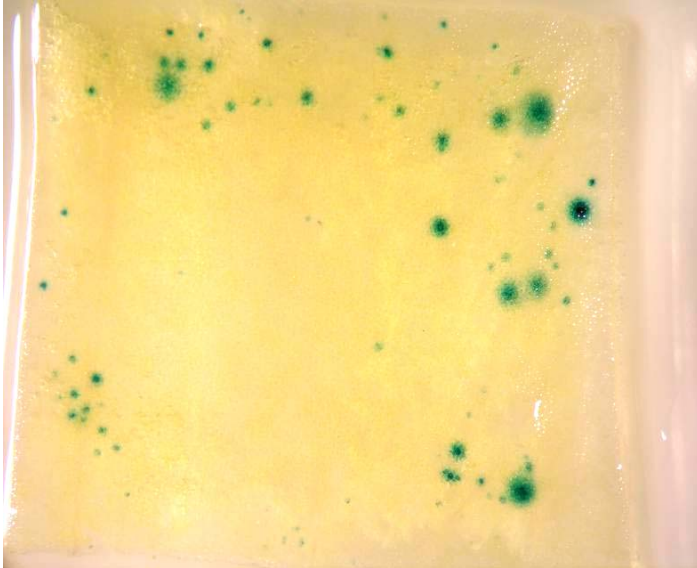
### Sample description:

Fresh petal, sample size about 2 cm x 2 cm (L x W).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5  $\mu$ g DNA/ 1.48 mg gold  
Gold size: 1.6  $\mu$ m  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10  $\mu$ L  
Gas flow rate: 10~15 L/min

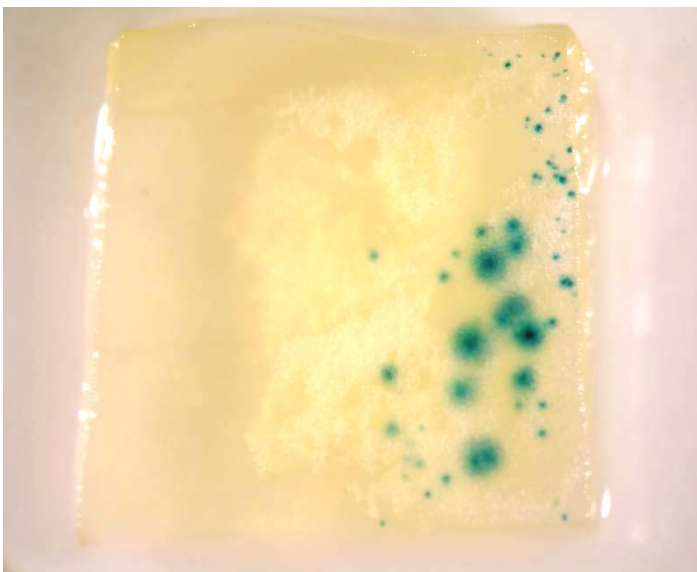
## *Doritaenopsis Petal*



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5  $\mu$ g DNA/ 1.48 mg gold  
Gold size: 1.6  $\mu$ m  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10  $\mu$ L  
Gas flow rate: 10~15 L/min

### Sample description:

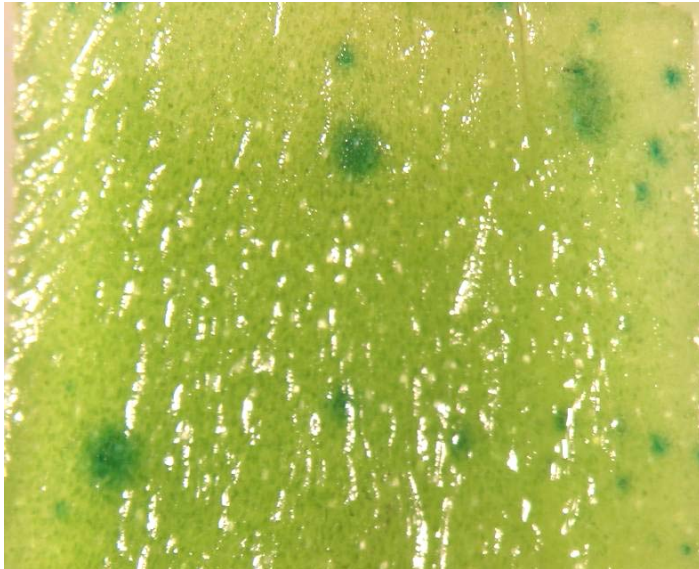
Fresh petal, sample size about 2 cm x 2 cm (L x W).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5  $\mu$ g DNA/ 1.48 mg gold  
Gold size: 1.6  $\mu$ m  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10  $\mu$ L  
Gas flow rate: 10~15 L/min



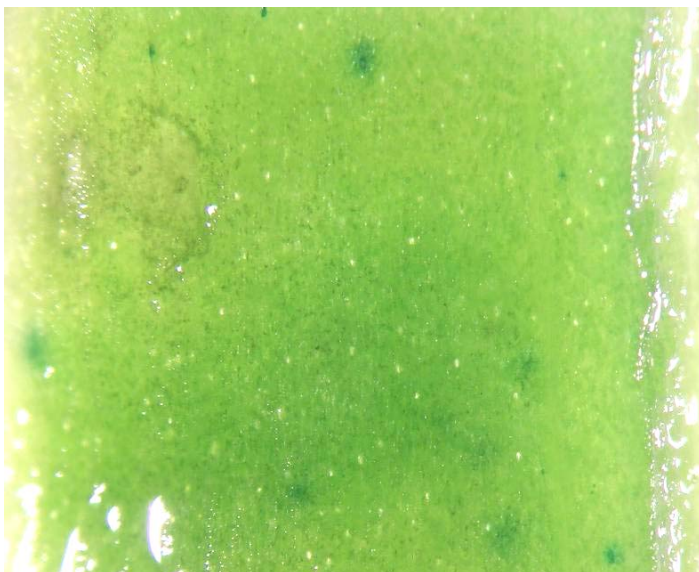
## *Phalaenopsis spp. Leaf*



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

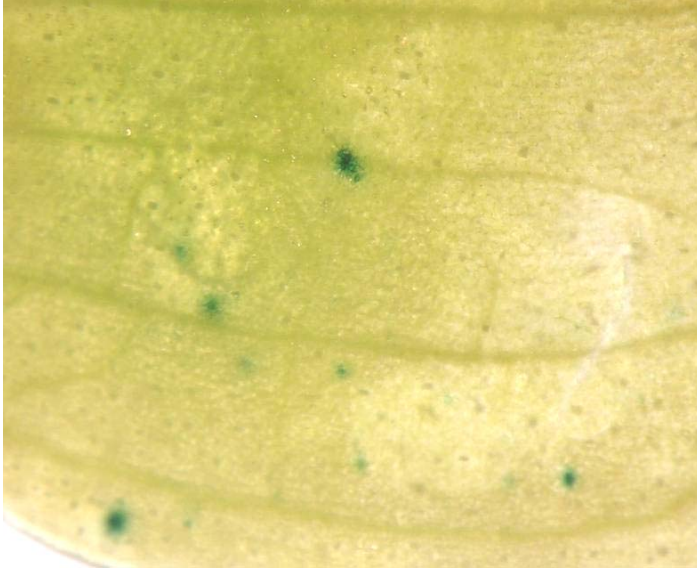
### Sample description:

MO-free incubated fresh leaf, size about 2 cm x 1 cm (L x W).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

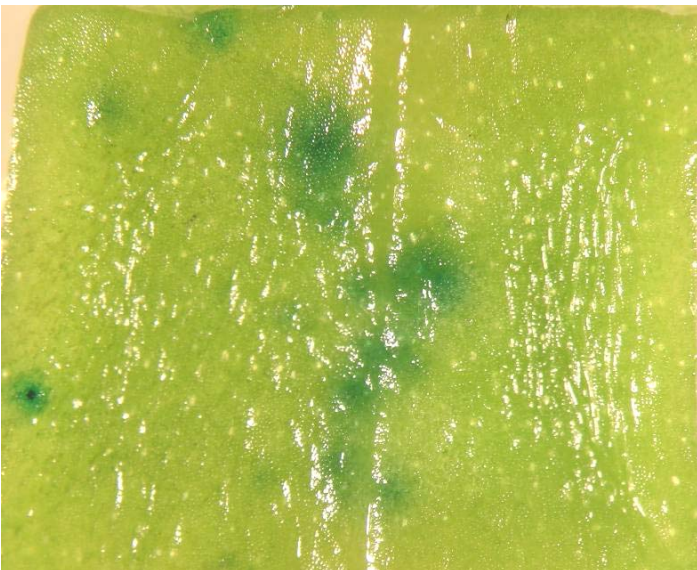
## *Phalaenopsis spp. Leaf*



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

MO-free incubated fresh leaf, size about 2 cm x 1 cm (L x W).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

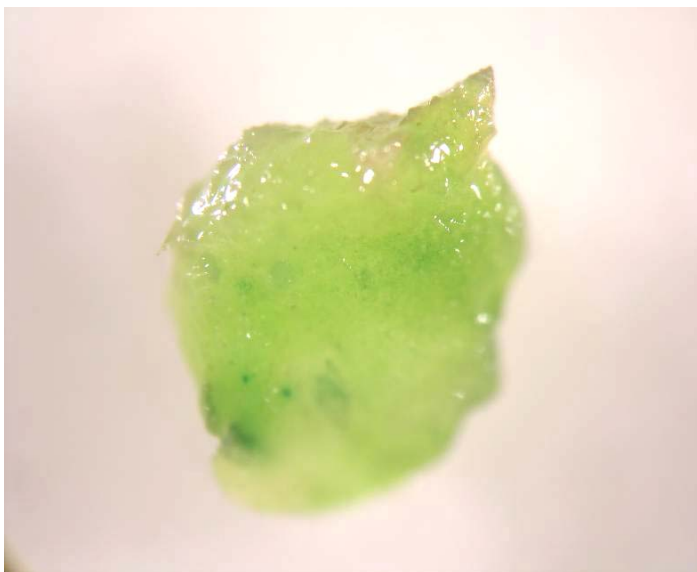
## *Phalaenopsis spp. PLB*



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

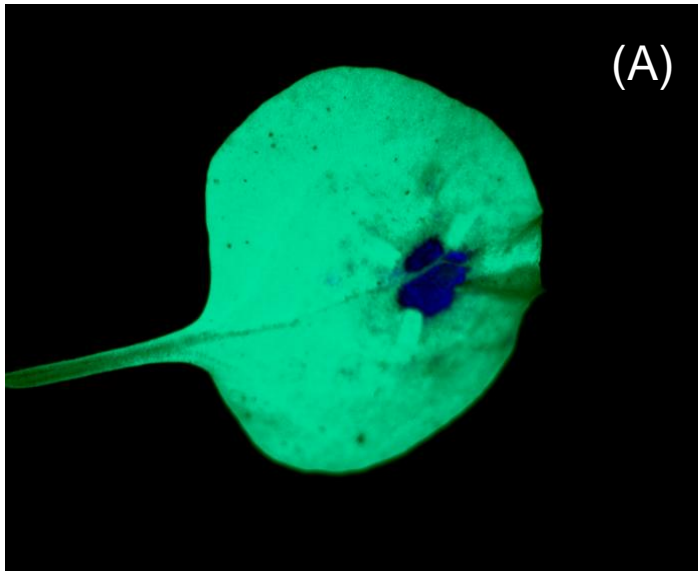
Fresh induced PLB, about 2 mm<sup>3</sup> in size.



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min



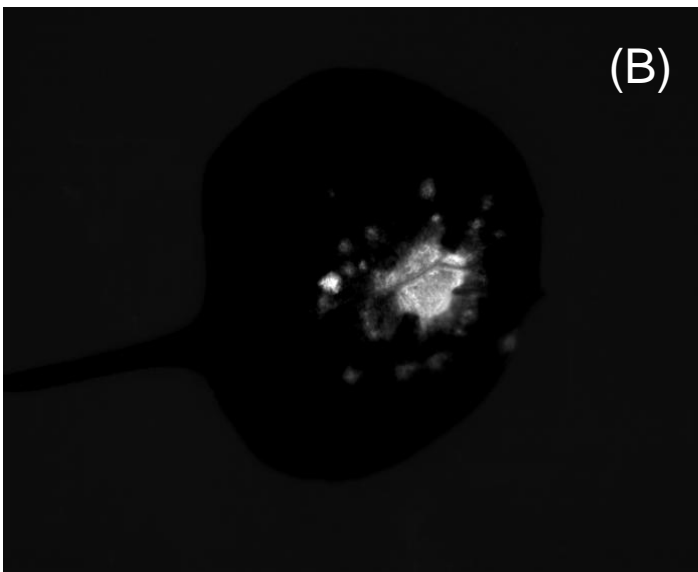
## *Nicotiana tabacum* Leaf (*in vivo*)



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 40 psi  
Accessory: LC-10, 7 cm.  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GFP gene  
GDS-80 setting: 5 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

Plant was grown for 30 days before delivery and the leaf size is about 5 x 6 cm<sup>2</sup>.



### Image description—

- (A) True color image
- (B) Fluorophore-of-interest

### Captured by:

Maestro™ CRI *in vivo*  
imaging system

### Acquisition wavelength:

530 nm

## *Zea mays* L. Embryo



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

Fresh maize embryo, about 5 mm x 3 mm (L x W).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 60 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 3 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

## *Zea mays* L. Embryo



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

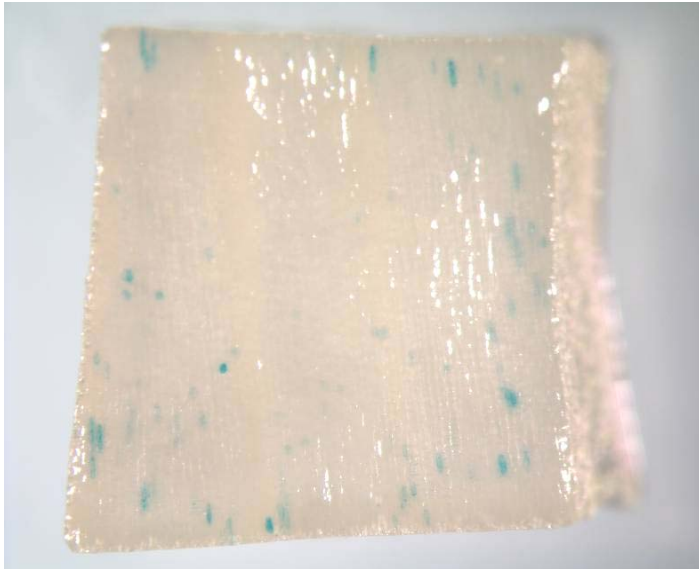
### Sample description:

Fresh maize embryo, about 5 mm x 3 mm (L x W).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

## *Allium cepa L. Epidermis*



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

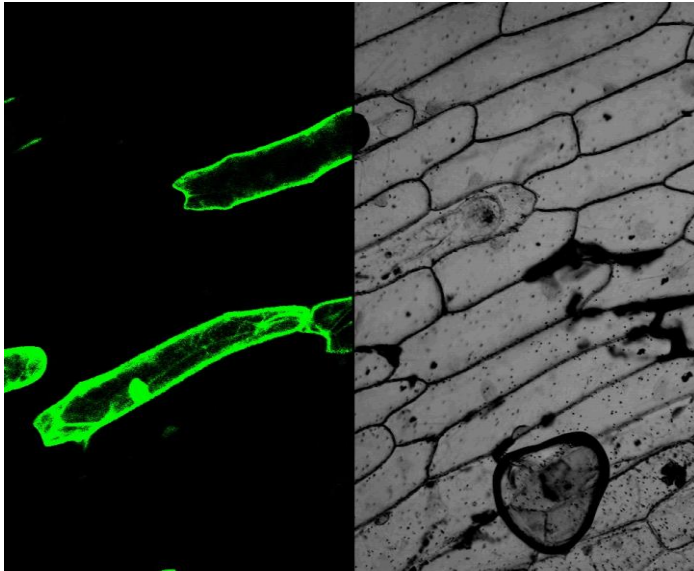
Onion epidermis, size about 3 cm x 3 cm x 0.5 cm (L x W x T).



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 6 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.6 µm  
Reporter gene: GUS gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min



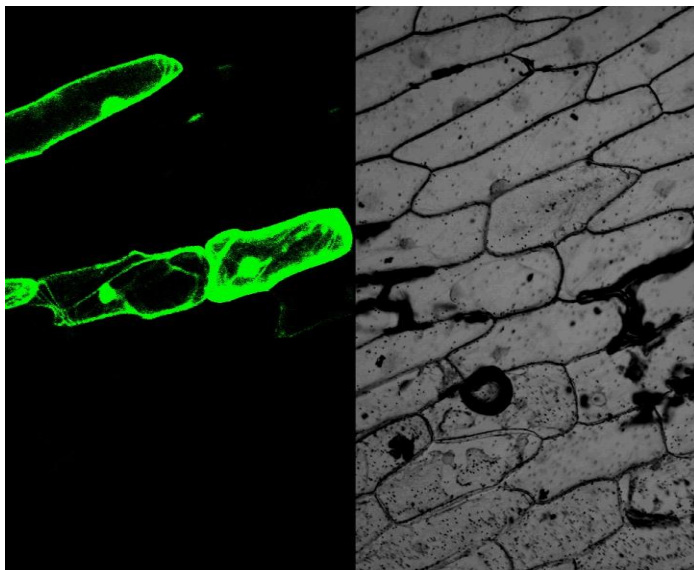
## *Allium cepa* L. Epidermis



GDS-80 No.: WGB090001  
Barrel size: 4.5 mm  
Pressure setting: 50 psi  
Accessory: 3 cm target spacer  
DNA concentration:  
0.5 µg DNA/ 1.48 mg gold  
Gold size: 1.0 µm  
Reporter gene: GFP gene  
GDS-80 setting: 4 rounds  
Sample volume: 10 µL  
Gas flow rate: 10~15 L/min

### Sample description:

Onion epidermis, size about 3 cm x 3 cm x 0.5 cm (L x W x T).



### Image description—

Right-B/W colored image

Left-Fluorophore-of-interest

### Captured by:

Fluorescence Microscope

### Acquisition wavelength:

530 nm