

General Information (March 2013)

Application	DNA
Kit	DNeasy® Plant Mini Kit
Sample material	Plant cells and tissues
Short protocol name	Standard
Version	3
Full protocol name	Purification of total DNA from plant cells and tissues
Editable parameters	Elution volume 1: 50–100 µl in increments of 50 µl; default 100 µl Elution volume 2: 50–100 µl in increments of 50 µl; default 100 µl
Required QIAcube® software versions	Firmware version FIW-50-001-J_FW_MB.hex and PLC program version FIW-50-002-G_PLC_MB.prs or higher; available from the QIAcube Web Portal

Shaker

Material	Lysate from up to 100 mg fresh or up to 20 mg dried or lyophilized plant material. For detailed information about lysate preparation, see "Comments" on the next page.
Vessel	2 ml safe-lock microcentrifuge tube*
Adapter	Shaker adapter for 2 ml microcentrifuge tubes (marked with "2")

* Sample Tubes RB, 2 ml (cat. no. 990381); see www.qiagen.com/MyQIAcube.

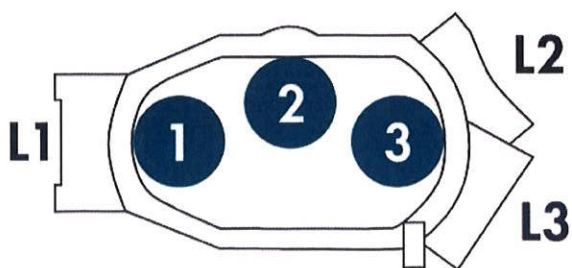
Disposable Tips

Disposable Filter-Tips, 1000 µl

Reagent Bottle Rack

Rack labeling strip DNeasy Plant

Rotor Adapter



Position	Reagent
1	Buffer AW1
2	Buffer AW2
3	Buffer AE
4	–
5	–
6	–

Position	Labware	Lid position
1	DNeasy Mini spin column	L1
2	QIAshredder spin column (cut off lid)	–
3	1.5 ml collection tube†	L3

† Starstedt® Micro tube 1.5ml Safety Cap (see www.starstedt.com).



QIAcube | Protocol Sheet

Microcentrifuge Tube Slots

	Position		
	A	B	C
Content	–	–	–
Vessel	–	–	–

Number of samples	Volume of reagent required for the indicated number of samples (µl)		
	A	B	C
2	–	–	–
3	–	–	–
4	–	–	–
5	–	–	–
6	–	–	–
7	–	–	–
8	–	–	–
9	–	–	–
10	–	–	–
12	–	–	–

Comments

Things to do before starting

Add 400 µl Buffer AP1 and 4 µl RNase A stock solution to a maximum of 100 mg of ground (wet weight) or 20 mg (dried) disrupted plant material, and prepare a lysate by following steps 8–10 of “Protocol: Isolation of Total DNA from Plant Tissue (Mini Protocol)” in the *DNeasy Plant Handbook*. Centrifugation of the lysate in step 10 must be performed. After centrifugation, transfer the supernatant to a new 2 ml safe-lock microcentrifuge tube.

Be sure to cut off the lids of the QIAshredder spin columns before placing into the rotor adapters.

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