

General Information

Application	DNA
Kit	QIAamp [®] DNA FFPE Advanced UNG Kit (cat. no. 56704)
Sample material	FFPE tissue section(s)
Short protocol name	DNAfromFFPEwithUNG
Version	1
Full protocol name	Purification of DNA from formalin-fixed, paraffin embedded (FFPE) tissue material
Editable parameters	Elution volume: 20–100 µl editable in steps of 10 µl; default set to 40 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 at the QIAcube Web Portal

Shaker

Material	250 µl liquid sample (refer to “Material” 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).

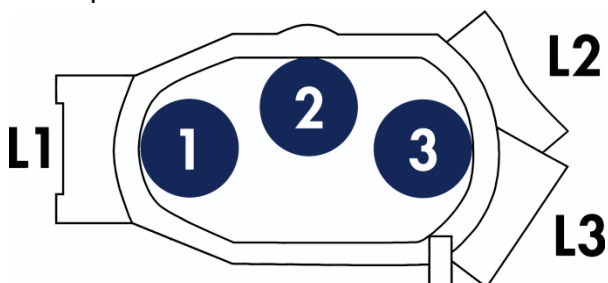
Disposable Tips

Disposable Filter-Tips, 1000 µl
Disposable Filter-Tips, 200 µl

Reagent Bottle Rack

Rack labeling strip	unlabeled
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Rotor Adaptor



Position	Reagent
1	Buffer AL
2	–
3	Buffer AW1
4	Buffer AW2
5	Ethanol (96–100%)
6	Buffer ATE

Position	Labware	Lid position
1	QIAamp MinElute [®] column	L1
2	–	–
3	1.5 ml collection tube*	L3

* Sarstedt[®] Micro tube 1.5 ml (cat. no. 72.690; see www.sarstedt.com).

Microcentrifuge Tube Slots

	Position	
	A	B
Content	RNase A	Proteinase K
Vessel	1.5 ml microcentrifuge tube*	1.5ml microcentrifuge tube*

* Sarstedt Micro tube 1.5 ml (cat. no. 72.690; see www.sarstedt.com).

Volume of reagent required for the indicated number of samples		
Number of samples	A	B
	RNase A (stock + water)	Proteinase K
2	62 µl (12 µl + 50 µl)	64 µl
3	73 µl (15 µl + 58 µl)	86 µl
4	84 µl (17 µl + 67 µl)	108 µl
5	94 µl (19 µl + 75 µl)	130 µl
6	105 µl (21 µl + 84 µl)	152 µl
7	116 µl (23 µl + 93 µl)	174 µl
8	127 µl (25 µl + 102 µl)	196 µl
9	138 µl (28 µl + 110 µl)	218 µl
10	148 µl (30 µl + 118 µl)	240 µl
12	170 µl (34 µl + 136 µl)	284 µl

Comments

Material

Pretreatment of samples: Place FFPE sections(s) of 5–10µm thickness in a microcentrifuge tube, and perform sample deparaffinization, first PK lysis, heat incubation, and UNG digestion, according to steps 1–6 of the QIAamp DNA FFPE Advanced UNG protocol in the *QIAamp DNA FFPE Advanced Handbook* or *Quick-Start Protocol*. After these pretreatment steps, the sample can be placed in a 2 ml safe-lock microcentrifuge tube on the QIAcube shaker.

Comments

Use a pipet to transfer the required volume of Buffer AL to the reagent bottle. Avoid generating large air bubbles or foam as this may lead to a liquid-detection error during the load check.

RNase A (100 mg/ml) stock must be diluted with water to 20 mg/ml before placing onto the QIAcube worktable. Refer to the table above for the exact dilution volumes.

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