

QIAamp® 96 Virus QIAcube® HT Kit, Part 1

Store QIAamp 96 plates, buffers, and lyophilized carrier RNA at room temperature (15–25°C). Before use, lyophilized carrier RNA should be dissolved in Buffer AVE. Prepare a mixture of Buffer ACL, carrier RNA, and internal control (if applicable) according to Table 1 immediately before starting a run. Unused carrier RNA dissolved in Buffer AVE should be immediately frozen in aliquots at –20°C. Do not subject aliquots of carrier RNA to more than 3 freeze–thaw cycles. QIAGEN Proteinase K can be stored at room temperature; for long-term storage, or if the ambient temperature often exceeds 25°C, store at 2–8°C.

Further information

- QIAamp 96 Virus QIAcube HT Handbook: www.qiagen.com/handbooks
- Safety Data Sheets: www.qiagen.com/safety
- Technical assistance: toll-free 00800-22-44-6000, or www.qiagen.com/contact

Notes before starting

- This protocol is for purification of viral nucleic acids from fluid samples. See Table 2 for sample pretreatments.
- Do not overload the QIAamp membrane as this can lead to impaired nucleic acid extraction and/or performance in downstream assays. See the kit handbook for more information on handling various sample types.
- Avoid repeated freezing and thawing of samples as this may reduce nucleic acid yield and quality.
- Prepare carrier RNA and Buffers ACB, AW1, and AW2 according to the instructions in the *QIAamp 96 Virus QIAcube HT Handbook*.
- Prepare a mixture of Buffer ACL, carrier RNA, and internal control (if applicable) immediately before starting a run, according to the volumes in Table 1.
- Ensure that the relevant version of the QIAamp 96 Virus QIAcube HT.QSP run file is installed and that software version 4.17.1 or higher is installed. This is mandatory to process the QIAamp 96 Virus QIAcube HT Kit.

February 2015



Table 1. Preparation of Buffer ACL, carrier RNA and internal control (if applicable)

Samples	24	32	40	48	56	64	72	80	88	96
Buffer ACL (ml)	4.5	5.6	6.9	8.0	9.3	10.4	11.5	12.8	13.8	15.0
Carrier RNA (µl)	140	175	215	250	290	325	360	400	430	470
Internal Control (µl)	280	350	430	500	580	650	720	800	860	940

Table 2. Pretreatments (see the *QIAamp 96 Virus QIAcube HT Handbook* for more details)

Name	Application
Pretreatment B1	For respiratory samples and sputum
Pretreatment B2	For liquid transport media
Pretreatment B3	For urine
Pretreatment B4	For dried blood spots
Pretreatment B5	For swabs and buccal cells
Pretreatment F1	For stool suspensions
Pretreatments T1 and T2	For tissues

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