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QIAsymphony[®] SP Protocol Sheet

AXpH2000_V5_DSP Protocol

This document is the AXpH2000_V5_DSP QIAsymphony SP Protocol Sheet, R2, for QIAsymphony DSP AXpH DNA Kit, version 1.

General information

The QIASymphony DSP AXpH DNA Kit is intended for in vitro diagnostic use.

This protocol was developed for use with specimens stored in PreservCyt® transport medium using the QIASymphony SP and the QIASymphony DSP AXpH DNA Kit.

Kit	QIASymphony DSP AXpH DNA Kit (cat. no. 937156)
Sample material	Liquid-based cytology media, (e.g., PreservCyt transport medium)
Protocol name	AXpH2000_V5_DSP
Default assay control set	ACS_AXpH2000_V5_DSP
Sample volume*	2.5 ml required sample volume 2 ml processed sample volume
Eluate volume	Approximately 60 µl
Required software version	Version 4.0 or higher

* The QIASymphony SP aspirates 2 ml of sample from the bottom of the sample tube. At least 2.5 ml sample input volume is required for the extraction of DNA for a “valid” flagged sample. Sample input volume less than 2.5 ml is possible but will result in “unclear” sample flagging. Sample input volume less than 1.5 ml will result in the sample not being processed and an “invalid” sample flagging.

“Sample” drawer

Sample type	Liquid-based cytology media, (e.g., PreservCyt transport medium)
Sample volume	2.5 ml required sample volume 2 ml processed sample volume
Sample tube	14 ml, 17 × 100 mm polystyrene round-bottom (Becton Dickinson, cat. no. 352051 www.bd.com) For more information, see the labware list in the “Resources” tab at www.qiagen.com/goto/dspaxph .

“Reagents and Consumables” drawer

Position A1 and/or A2	Reagent cartridge (RC)
Position B1	TopElute Fluid bottle (TOPE)
Tip rack holder 1–17	Disposable filter-tips, 1500 µl
Unit box holder 1–4	Unit boxes containing sample prep cartridges
Unit box holder 1–4	Unit boxes containing 8-Rod Covers

“Waste” drawer

Unit box holder 1–4	Empty unit boxes
Waste bag holder	Waste bag
Liquid waste bottle holder	Empty liquid waste bottle
Tip chute holder	Tip chute
Tip park station	Empty tip park station

“Eluate” drawer

Elution rack (we recommend using slot 1, cooling position)	For more information, see the labware list in the “Resources” tab at www.qiagen.com/goto/dspaxph .
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Required plasticware

	One batch, 24 samples*	Two batches, 48 samples*	Three batches, 72 samples*	Four batches, 96 samples*
Disposable filter-tips, 1500 µl [†]	80	152	224	296
Sample prep cartridges [‡]	9	18	27	36
8-Rod Covers [¶]	3	6	9	12

* Performing more than one inventory scan requires additional disposable filter-tips. Use of less than 24 samples per batch decreases the number of disposable filter-tips required per run.

† There are 32 filter-tips/tip rack.

‡ Number of required filter-tips includes filter-tips for 1 inventory scan per reagent cartridge.

§ There are 28 sample prep cartridges/unit box.

¶ There are twelve 8-Rod Covers/unit box.

Note: Numbers of filter-tips given may differ from the numbers displayed in the touchscreen depending on settings. We recommend loading the maximum possible number of tips.

Preparation of sample material

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, consult the appropriate material safety data sheets (MSDSs), available from the product supplier.

Cervical specimen in PreservCyt transport medium

This protocol was developed for use with specimens stored in PreservCyt transport medium.

Note: Specimens should be stored according to the manufacturer's instructions for the corresponding media and sample type. Specimens should be equilibrated to room temperature (15–25°C) and transferred to sample tubes just before starting the run.

Mix the specimens thoroughly, e.g., by inverting the tubes several times, before transferring them to 14 ml 17 x 100 mm polystyrene, round-bottom tubes (Becton Dickinson, cat. no. 352051). Place the samples into the tube carrier on the QIASymphony SP.

Note: To ensure reliable sample transfer, avoid generating foam in sample tubes.

The QIASymphony SP aspirates 2 ml of sample from the bottom of the sample tube. At least 2.5 ml sample input volume is required for the extraction of DNA for a “valid” flagged sample. Sample input volume less than 2.5 ml is possible but will result in “unclear” sample flagging. Sample input volume less than 1.5 ml will result in the sample not being processed and an “invalid” sample flagging.

We recommend using 4 ml sample input volume, which was used for performance studies of the QIASymphony DSP AXpH DNA system.

Note: Visually check the residual sample volume in the sample tube placed on the QIASymphony SP after transfer of the sample to the sample prep cartridge to ensure complete transfer of sample material.

Storage of eluates

At the end of each run, remove the microtiter plate containing the eluates directly from the cooling position of the “Eluate” drawer on the QIASymphony SP.

Note: We recommend storage of eluates in microtiter plates (Greiner, cat. no. 650161) at 2–8°C for up to 7 days.

Revision history

Document revision history	
R2 12/2017	Update for QIASymphony Software version 5.0

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