September 2023

QIAsymphony® DSP DNA Kit Instructions for Use (Labware List)

Sample and eluate tubes/racks that can be used with the QIAsymphony DSP DNA Mini and Midi Kits and QIAsymphony SP instrument (software version 5.0 and higher; labware package SOW-516-9 or higher)

Version 2

IVD

For In Vitro Diagnostic Use

For use with QIAsymphony DSP DNA Mini and Midi Kits

CE

REF   937556, 937255

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R2   Labware List available electronically and can be found under the resource tab of the product page on **www.qiagen.com**.

Sample to Insight

General information

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

Important: Before using this Labware List, confirm that it is consistent with the labware package installed on your QIAsymphony system.

Legend

▬▬▬	Recommended: These tubes are for use in combination with this protocol.
▬▬▬	User-defined: User is responsible for defining and/or validating as the user deems appropriate.
▬▬▬	Not recommended: These tubes are not for use in combination with this protocol.
x/■	Minimum sample volume (µL) required per sample per protocol (denoted by x)/clot detection possible.
x/□	Minimum sample volume (µL) required per sample per protocol (denoted by x)/clot detection not possible.
	Note: Be aware that other tubes are available that can be used in combination with other QIAsymphony Kits, but are not recommended for any protocols that can be used with this kit.

"Sample" drawer, tube carrier

Supplier	Material	Example cat. no.	Name in touchscreen	Insert	Protocol						
					Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
BD™§	14 mL Falcon® polystyrene round-bottom tube, 17 x 100 mm	352051	BD#352051 FalconPP 17x100	No insert needed	500/■	500/■	700/■	1300/■	500/■	700/■	
BD	10 mL Vacutainer® whole blood 16 x 100 mm, K2-EDTA	367525	BD#367525 VacutainerPP 16x100	No insert needed	650/■	650/■	850/■	1500/■			
BD	4 mL BD Vacutainer whole blood, K2-EDTA tube, 13 x 75 mm*	367839	BD#367839 VacutainerK2, 13x75	Insert 01/1A/02	450/□	450/□	650/□	1400/□			
BD	6 mL BD Vacutainer whole blood, K2-EDTA tube, 13 x 100 mm*	367864	BD#367864 VacutainerK2 13x100	Insert 01/1A/02	450/□	450/□	650/□	1400/□			
BD	2.7 mL BD Citrate, 9NC Tube, 13 x 75mm	363095	BD#363095 Vacutainer9NC 13x75	Insert 01/1A/02	400/□	400/□	600/□	1400/□			
BD	BD Microtainer Tubes with Microgard™ Closure†	365963	BD#365963 MicrotainerTube	Insert 3B	300/□	300/□	500/□				
BD	2.5 mL PAXgene® Blood DNA Tube, 13 x 75 mm*‡	761165	BD#761165 PAXgeneDNA 13x75	Insert 01/1A/02		450/□	650/□	1400/□			
BD	10 mL Falcon polystyrene round-bottom tube, 16 x 100 mm	768165	BD_#768165 PAXgene ccfDNA 16x100	No insert needed		650/■	850/■	1500/■			
Greiner Bio-One	GreinerBioOne Vacuette® 9NC, 13 x 75 mm	454382	GR#454382 Vacuette9NC 13x75	Insert 01/1A/02	400/□	400/□	600/□	1400/□			
Greiner Bio-One	9 mL Vacuette K3-EDTA, 16 x 100 mm	455036	GR#455036 VacuettePP 16x100	No insert needed	650/■	650/■	850/■	1500/■			
Greiner Bio-One	3 mL Vacuette K2-EDTA, 13 x 75 mm	454020	GR#454020 VacuetteK2 13x75	Insert 01/1A/02	450/□	450/□	650/□	1400/□			

"Sample" drawer, tube carrier (continued)

Supplier	Material	Example cat. no.	Name in touchscreen	Insert	Protocol						
					Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
Greiner Bio-One	6 mL Vacuette K2-EDTA, 13 x 100 mm	456043	GR#456043 VacuetteK2 13x100	Insert 01/1A/02	450/□	450/□	650/□	1400/□			
Nunc	3.6 mL Nunc® CryoTube® 12.5 x 72 mm	379189	NU#379189 3.6Cryo 12.5x72	Insert 1A/02	400/□	400/□	600/□	1200/□	400/□	600/□	
Sarstedt®	4 mL S-Monovette® K2-EDTA, 15 x 75 mm	3.1068.001	SAR#31068001 Monov 15x75	No insert needed	650/■	650/■	850/■	1500/■			
Sarstedt	7.5 mL S-Monovette Lithium-Heparin, 15 x 92 mm	1.1608.001	SAR#11608001 Monov 15x92	No insert needed		650/■	850/■	1500/■			
Sarstedt	9 mL S-Monovette K2-EDTA, 16 x 92 mm	2.1066.001	SAR#21066001 Monov16x92	No insert needed	650/■	650/■	850/■	1500/■			
Sarstedt	2.6 mL S-Monovette K2-EDTA, 13 x 65 mm	4.1901.001	SAR#41901001 MonovK2 13x65	Insert 01/1A	450/□	450/□	650/□	1400/□			
Sarstedt	4.9 mL S-Monovette K2-EDTA, 13 x 90 mm	4.1931.001	SAR#41931001 MonovK2 13x90	Insert 01/1A	450/□	450/□	650/□	1400/□			
Sarstedt	2.7 mL S-Monovette K3-EDTA,11 x 66 mm	5.1167.001	SAR#51167001 MonovK3 11x66	Insert 02/2A	400/□	400/□	600/□	1400/□			
Sarstedt	2 mL Micro tube, PP, non-skirted	72.693	SAR#72.693 T2.0 Screw	Insert 03/3B	300/□	300/□	500/□		300/□	500/□	□
Sarstedt	2 mL Micro tube, PP, skirted	72.694	SAR#72.694 T2.0 ScrewSkirt	Insert 3B	300/□	300/□	500/□		300/□	500/□	□
Sarstedt	1.5 mL Micro tube, PP, non-skirted	72.607	SAR#72.607 T1.5 Screw	Insert 3B		250/□			250/□		

"Sample" drawer, tube carrier (continued)

Supplier	Material	Example cat. no.	Name in touchscreen	Insert	Protocol						
					Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
Sarstedt	3.5 mL Sarstedt tube, 66 x 11.5 mm	60.549.001	SAR#60.549.001 T3.5 ScrewSkirt	Insert 02/2A	400/□	400/□	600/□	1200/□	400/□	600/□	
Terumo	9 mL Venosafe® tube K2-EDTA, 16 x 100mm	VF-109SDK	TER#VF-109SDK Venosafe 16x100	No insert needed	650/■	650/■	850/■	1500/■			
Terumo	3 mL Venoject® tube K3-EDTA, 13 x 75 mm	VT-053STK	TER#VT-053STK VenojectK3 13x75	Insert 1A/02	400/□	400/□	600/□	1400/□			
Terumo	5.5 mL Venosafe tube K2-EDTA, 13 x 100 mm	VF-076SDK	TER#VF-076SDK VenosafeK2 13x100	Insert 1A/02/2A	400/□	400/□	600/□	1400/□			

* This tube type may fit loosely in tube insert(s) 01 or 02, which can result in movement of the tubes during sample input. We recommend using tube insert 1A.

† Do not use gel tubes with this labware.

‡ 2.5 mL PAXgene Blood DNA Tube 13 x 75 mm (BD cat. no. 761165) is currently not available in the United States.

§ BD was the previous supplier of this tube and Corning® Inc. is now the new supplier.

"Sample" drawer, tube carrier, FIX labware

To minimize dead volumes, secondary tubes can be used without liquid-level detection. FIX labware has been designed for this purpose and does not support liquid-level detection or clot detection. FIX sample tubes impose aspiration restrictions; sample is aspirated at a defined height in the tube. This height is defined by the volume of sample to be transferred. Therefore, it is essential to make sure that the volume listed in the table or protocol sheet is used.

Note: Because insufficient sample volume would not be detected by the system, the system could aspirate air instead of liquid and no or not sufficient sample could be transferred.

Note: It is possible to process tubes for use with and without liquid-level detection within the same batch/run.

Supplier	Material	Example cat. no.	Name in touchscreen	Insert	Protocol						
					Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
Sarstedt	2 mL Micro tube, PP, non-skirted	72.693	SAR_FIX_#72.693 T2.0 Screw	Insert 03/3B		220/□	420/□	1050/□	220/□	420/□	□
Sarstedt	2 mL Micro tube, PP, skirted	72.694	SAR_FIX_#72.694 T2.0 ScrewSkirt	Insert 3B		220/□	420/□	1050/□	220/□	420/□	□

"Sample" drawer, tube carrier (internal control–Buffer ATE mixture)

Note: Preparation of the internal control–Buffer ATE mixture is described in the corresponding protocol sheet.

Note: The tube carrier containing the internal control–Buffer ATE mixture(s) must be placed in slot A of the "Sample" drawer.

Note: Only protocols that allow the use of internal control are included in this table.

Supplier	Material	Example cat. no.	Name in touchscreen	Insert	Protocol Virus Blood 200
BD*	14 mL Falcon polystyrene round-bottom tube, 17 x 100 mm	352051	BD#352051 FalconPP 17x100	No insert needed	
Sarstedt	2 mL Micro tube, PP, non-skirted	72.693	SAR#72.693 T2.0 Screw	Insert 03/3B	
Sarstedt	2 mL Micro tube, PP, skirted	72.694	SAR#72.694 T2.0 ScrewSkirt	Insert 3B	

* BD was the previous supplier of this tube and Corning Inc. is now the new supplier.

"Eluate" drawer

Supplier	Material	Example cat. no.	Category	Name in touchscreen	Adapter on Elution slots†	Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
ABgene®	ABgene 2D Storage Plate, 1.2 mL	AB-1185	Deep Well	AB#AB-1185 *2.0ml2DPlate	SBS Universal QS V2 (cooling slot 1)							
				AB#AB-1185 2.0ml2DPlate	No adapter needed (non-cooling slots 2–3)							
ABgene	ABgene deep well plate, 0.8 mL	AB-0765	Deep Well	AB#0765 *0.8ml StoragePlate	SBS Universal QS V2 (cooling slot 1)§							
				AB#0765 0.8ml StoragePlate	No adapter needed (non-cooling slots 2–3)							
Eppendorf®	Eppendorf Deepwell Block 96	951033405	Deep Well	EP#951033405 *Block96	SBS Universal QS V2 (cooling slot 1)							
				EP#951033405 Block96	No adapter needed (non-cooling slots 2–3)							
Micronic™	Micronic 1.4 TraXis® tube with box	M52621	Deep Well	MIC#M52621 *1.4TraxisTubes	SBS Universal QS V2 (cooling slot 1)							
				MIC#M52621 1.4TraxisTubes	No adapter needed (non-cooling slots 2–3)							

Table continued on next page

"Eluate" drawer (continued)

Supplier	Material	Example cat. no.	Category	Name in touchscreen	Adapter on Elution slots†	Protocol						
						Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
NUNC	Nunc U96 DeepWell™ Plate1	260252	Deep Well	NU#260252 *DeepWell96 RB	SBS Universal QS V2 (cooling slot 1)	🟥	🟨	🟨	🟨	🟨	🟨	🟨
				NU#260252 DeepWell96 RB	No adapter needed (non-cooling slots 2–3)							
QIAGEN	Elution Microtubes CL 96	19588	Deep Well	QIA#19588 *EMTR	Elution Microtube Rack QS (cooling slot 1)	🟩	🟩	🟩	🟩	🟩	🟩	🟩
				QIA#19588 EMTR	No adapter needed (non-cooling slots 2–3)	🟨	🟨	🟨	🟨	🟨	🟨	🟨
QIAGEN	96-well S-block with 2.2 mL wells	19585	Deep Well	QIA#19585 *S-Block96	96-Well Round Bottom QS (cooling slot 1)	🟥	🟨	🟨	🟨	🟨	🟨	🟨
				QIA#19585 S-Block96	No adapter needed (non-cooling slots 2–3)	🟥	🟨	🟨	🟨	🟨	🟨	🟨

"Eluate" drawer (continued)

Supplier	Material	Example cat. no.	Category	Name in touchscreen	Adapter on Elution slots†	Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
REMP® Sample Management	REMP Plate 96 Tube 300	STBR96-300	Deep Well	RE#STBR96-300 *TubeRack300	SBS Universal QS V2 (cooling slot 1)			‡	‡	‡	‡	‡
				RE#STBR96-300 TubeRack300	No adapter needed (non-cooling slots 2–3)		‡	‡	‡	‡	‡
Sarstedt	2 mL Micro tube, PP, non-skirted	72693	Tube 2.0 mL / Tube_2.0 mL AdapterV1 (no BC)	SAR#72.693 **T2.0 Screw	Micro Tube Screw Cap QS (cooling slot 1)							
				SAR#72.693 *T2.0 Screw	Micro Tube Screw Cap QS (cooling slot 1)							
				SAR#72.693 T2.0 Screw	24-Tube 1.5/2.0 mL QS (non-cooling slots 2–4)							
Sarstedt	1.5 mL Micro tube, PP, non-skirted	72607	Tube, 1.5 mL / Tube_1.5 mL AdapterV1 (no BC)	SAR#72.607 **T1.5 Screw	Micro Tube Screw Cap QS (cooling slot 1)							
				SAR#72.607 *T1.5 Screw	Micro Tube Screw Cap QS (cooling slot 1)							
				SAR#72.607 T1.5 Screw	24-Tube 1.5/2.0 mL QS (non-cooling slots 2–4)							
Sarstedt	2 mL Micro tube, PP, skirted	72694	Tube 2.0 mL / Tube_2.0 mL AdapterV1 (no BC)	SAR#72.694 **T2.0 ScrewSkirt	Micro Tube Screw Cap QS (cooling slot 1)							
				SAR#72.694 *T2.0 ScrewSkirt	Micro Tube Screw Cap QS (cooling slot 1)							
				SAR#72.694 T2.0 ScrewSkirt	24-Tube 1.5/2.0 mL QS (non-cooling slots 2–4)							

"Eluate" drawer (continued)

Supplier	Material	Example cat. no.	Category	Name in touchscreen	Adapter on Elution slots[†]	Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
Starlab	1.5 mL Graduated Conical Tube, Natural Standard Screw Cap	E1415-2231	Tube, 1.5 mL / Tube_1.5 mL AdapterV1 (no BC)	SL#E1415-2231 **T1.5 Screw	Micro Tube Screw Cap QS (cooling slot 1)	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
				SL#E1415-2231 *T1.5 Screw	Micro Tube Screw Cap QS (cooling slot 1)	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
				SL#E1415-2231 T1.5 Screw	24-Tube 1.5/2.0 mL QS (non-cooling slots 2–4)	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Thermo Scientific	2D Matrix® Barcoded ScrewTop Storage Tubes, 500 µL	3744	Deep Well	TS#3744 *2DStorageTubes	SBS Universal QS V2 (cooling slot 1)	Red	Yellow	Red	Red	Red	Red	Yellow
				TS#3744 2DStorageTubes	No adapter needed (non-cooling slots 2–3)	Red	Yellow	Red	Red	Red	Red	Yellow
Thermo Scientific	2D Matrix Barcoded Storage Tubes, 1.4 mL, Flat Bottom Tubes	3711	Deep Well	TS#3711 *1.4 mL 2DStorageT	SBS Universal QS V2 (cooling slot 1)	Red	Yellow	Red	Red	Red	Red	Yellow
				TS#3711 1.4 mL 2DStorageT	No adapter needed (non-cooling slots 2–3)	Red	Yellow	Red	Red	Red	Red	Yellow

"Eluate" drawer (continued)

Supplier	Material	Example cat. no.	Category	Name in touchscreen	Adapter on Elution slots[†]	Protocol						
						Virus Blood 200	Blood 200	Blood 400	Blood 1000	Buffy Coat 200	Buffy Coat 400	DNA Tissue
Thermo Scientific	Matrix Storage Tubes, 1.4 mL, Round Bottom Tubes	4247	Deep Well	TS#4247 *1.4ml RBStorageT	SBS Universal QS V2 (cooling slot 1)	🟥	🟨	🟥	🟥	🟥	🟥	🟨
				TS#4247 1.4ml RBStorageT	No adapter needed (non-cooling slots 22D 3)							

* Indicates labware that can be cooled using a cooling adapter with bar code.

** Indicates labware that can be cooled using a cooling adapter without bar code (non-transferable and not usable on QIAsymphony AS).

† Do not use 96-well plates in "Elution slot 4", since not all positions can be accessed by the robotic arm.

‡ This tube/plate format is restricted to a maximum elution volume of 200 µL. If larger elution volumes are required, please select another type of tube/plate.

§ Labware that cannot be transferred to or used on QIAsymphony AS.

For ordering information, visit **www.qiagen.com**.

Symbols

The following symbols appear in this document. For a full list of symbols used in the instructions for use or on the packaging and labeling, please refer to the handbook.

Symbol	Symbol definition
$C\epsilon$	This product fulfills the requirements of the European Regulation 2017/746 for in vitro diagnostic medical devices.
IVD	In vitro diagnostic medical device
REF	Catalog number
Rn	R is for revision of the Instructions for Use and n is the revision number
▲	Manufacturer

Revision history

Revision	Description
R2, September 2023	Version 2, Revision 2 • Release for labware package 516-9. No change to recommendations.
R1, June 2022	Version 2, Revision 1 • Update to version 2 for compliance to IVDR • Section "Sample" drawer, tube carrier: Note added for residual risk for use of FIX tubes

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN® kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at **www.qiagen.com** or can be requested from QIAGEN Technical Services or your local distributor.