

June 2020

# Labware List — QIASymphony<sup>®</sup> DSP DNA Kits

Sample and eluate tubes/racks that can be used with QIASymphony DSP DNA Mini and Midi Kits and the QIASymphony SP (software version 5.0; labware package SOW-516-8)

This document is the QIASymphony DSP DNA Kits, version 1, *Labware List* R1 for labware package SOW-516-8.

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## 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 <sup>s</sup> | 14 ml Falcon <sup>®</sup> polystyrene round-bottom tube<br>17 x 100 mm                | 352051           | BD#352051<br>FalconPP 17x100           | No insert needed    | 500/■           | 500/■     | 700/■     | 1300/■     | 500/■          | 700/■          | ■          |
| BD              | 10 ml Vacutainer <sup>®</sup> whole blood<br>16 x 100 mm,<br>K2-EDTA                  | 367525           | BD#367525<br>VacutainerPP<br>16x100    | No insert needed    | 650/■           | 650/■     | 850/■     | 1500/■     |                |                |            |
| BD              | 4 ml BD <sup>™</sup> Vacutainer whole blood,<br>K2-EDTA tube<br>13 x 75 mm*           | 367839           | BD#367839<br>VacutainerK2 13x75        | Insert 01/1A/<br>02 | 450/□           | 450/□     | 650/□     | 1400/□     |                |                |            |
| BD              | 6 ml BD Vacutainer whole blood,<br>K2-EDTA tube<br>13 x 100 mm*                       | 367864           | BD#367864<br>VacutainerK2<br>13x100    | Insert 01/1A/<br>02 | 450/□           | 450/□     | 650/□     | 1400/□     |                |                |            |
| BD              | 2.7 ml BD Citrate, 9NC Tube<br>13 x 75mm  | 363095           | BD#363095<br>Vacutainer9NC<br>13x75    | Insert 01/1A/<br>02 | 400/□           | 400/□     | 600/□     | 1400/□     |                |                |            |
| BD              | BD Microtainer <sup>®</sup> Tubes with<br>Microgard <sup>™</sup> Closure <sup>†</sup> | 365963           | BD#365963<br>MicrotainerTube           | Insert 3B           | 300/□           | 300/□     | 500/□     |            |                |                |            |
| BD              | 2.5 ml PAXgene <sup>®</sup> Blood DNA Tube<br>13 x 75 mm* <sup>†</sup>                | 761165           | BD#761165<br>PAXgeneDNA 13x75          | Insert 01/1A/<br>02 |                 | 450/□     | 650/□     | 1400/□     |                |                |            |
| BD              | 10 ml Falcon polystyrene round-bottom tube<br>16 x 100 mm                             | 768165           | BD_#768165<br>PAXgene ccfDNA<br>16x100 | No insert needed    |                 | 650/■     | 850/■     | 1500/■     |                |                |            |
| Greiner Bio-One | GreinerBioOne Vacuette <sup>®</sup> 9NC 13 x 75 mm                                    | 454382           | GR#454382<br>Vacuette9NC 13x75         | Insert 01/1A/<br>02 | 400/□           | 400/□     | 600/□     | 1400/□     |                |                |            |
| Greiner Bio-One | 9 ml Vacuette K3-EDTA, 16 x 100 mm  | 455036           | GR#455036<br>VacuettePP 16x100         | No insert needed    | 650/■           | 650/■     | 850/■     | 1500/■     |                |                |            |
| Greiner Bio-One | 3 ml Vacuette K2-EDTA, 13 x 75 mm   | 454020           | GR#454020<br>VacuetteK2 13x75          | Insert 01/1A/<br>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<br>VacuetteK2 13x100 | Insert 01/1A/<br>02 | 450/□           | 450/□     | 650/□     | 1400/□     |                |                |            |
| Nunc            | 3.6 ml Nunc® CryoTube® 12.5 x 72 mm               | 379189           | NU#379189<br>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<br>Monov 15x75    | No insert needed    | 650/■           | 650/■     | 850/■     | 1500/■     |                |                |            |
| Sarstedt        | 7.5 ml S-Monovette Lithium-Heparin,<br>15 x 92 mm | 1.1608.001       | SAR#11608001<br>Monov 15x92    | No insert needed    |                 | 650/■     | 850/■     | 1500/■     |                |                |            |
| Sarstedt        | 9 ml S-Monovette K2-EDTA, 16 x 92 mm              | 2.1066.001       | SAR#21066001<br>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<br>MonovK2 13x65  | Insert 01/1A        | 450/□           | 450/□     | 650/□     | 1400/□     |                |                |            |
| Sarstedt        | 4.9 ml S-Monovette K2-EDTA, 13 x 90mm             | 4.1931.001       | SAR#41931001<br>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<br>MonovK3 11x66  | Insert 02/2A        | 400/□           | 400/□     | 600/□     | 1400/□     |                |                |            |
| Sarstedt        | 2 ml Micro tube, PP, NON-SKIRTED                  | 72.693           | SAR#72.693<br>T2.0 Screw       | Insert 03/3B        | 300/□           | 300/□     | 500/□     |            | 300/□          | 500/□          | □          |
| Sarstedt        | 2 ml Micro tube, PP, SKIRTED                      | 72.694           | SAR#72.694<br>T2.0 ScrewSkirt  | Insert 3B           | 300/□           | 300/□     | 500/□     |            | 300/□          | 500/□          | □          |
| Sarstedt        | 1.5 ml Micro tube, PP, NON-SKIRTED                | 72.607           | SAR#72.607<br>T1.5 Screw       | Insert 3B           |                 | 250/□     |           |            | 250/□          |                |            |

Table continued on next page

“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<br>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<br>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<br>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<br>VenosafeK2 13x100 | Insert 1A/02/<br>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:** 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<br>17 x 100 mm | 352051           | BD#352051<br>FalconPP 17x100  | No insert needed |                 |
| Sarstedt | 2 ml Micro tube, PP, NON-SKIRTED                          | 72.693           | SAR#72.693<br>T2.0 Screw      | Insert 03/3B     |                 |
| Sarstedt | 2 ml Micro tube, PP, SKIRTED                              | 72.694           | SAR#72.694<br>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 <sup>†</sup>             | Protocol        |           |           |            |                |                |            |
|-----------|-------------------------------------|------------------|-----------|-----------------------------|---|-----------------|-----------|-----------|------------|----------------|----------------|------------|
|           |                                     |                  |           |                             |   | 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)              | Red             | Yellow    | Red       | Red        | Red            | Red            | Yellow     |
|           |                                     |                  |           | 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) <sup>§</sup> | Red             | Yellow    | Red       | Red        | Red            | Red            | Yellow     |
|           |                                     |                  |           | 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)              | Red             | Yellow    | Red       | Red        | Red            | Red            | Yellow     |
|           |                                     |                  |           | 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)              | Red             | Yellow    | Red       | Red        | Red            | Red            | Yellow     |
|           |                                     |                  |           | MIC#M52621 1.4TraXisTubes   | No adapter needed (non-cooling slots 2-3)         |                 |           |           |            |                |                |            |

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“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)       | Yellow          | Yellow    | Yellow    | Yellow     | Yellow         | Yellow         | Yellow     |
|          |                                   |                  |           | 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) | Green           | Yellow    | Yellow    | Yellow     | Yellow         | Yellow         | Yellow     |
|          |                                   |                  |           | 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)   | Yellow          | Yellow    | Yellow    | Yellow     | Yellow         | Yellow         | Yellow     |
|          |                                   |                  |           | QIA#19585 S-Block96      | No adapter needed (non-cooling slots 2-3)  |                 |           |           |            |                |                |            |

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"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 |
| REMP Sample Management | REMP® Plate 96 Tube 300            | STBR96-300       | Deep Well                                   | RE#STBR96-300       | SBS Universal QS V2 (cooling slot 1)<br>*TubeRack300        |                 |           | ‡         | ‡          | ‡              | ‡              | ‡          |
|                        |                                    |                  |   | RE#STBR96-300       | No adapter needed (non-cooling slots 2-3)<br>*TubeRack300   |                 |           | ‡         | ‡          | ‡              | ‡              | ‡          |
| Sarstedt               | 2 ml Micro tube, PP, NON-SKIRTED   | 72693            | Tube 2.0 ml / Tube_2.0ml AdapterV1 (no BC)  | SAR#72.693          | Micro Tube Screw Cap QS (cooling slot 1)<br>**T2.0 Screw    |                 |           |           |            |                |                |            |
|                        |                                    |                  |   | SAR#72.693          | Micro Tube Screw Cap QS (cooling slot 1)<br>*T2.0 Screw     |                 |           |           |            |                |                |            |
|                        |                                    |                  |   | SAR#72.693          | 24-Tube 1.5/2.0 ml QS (non-cooling slots 2-4)<br>T2.0 Screw |                 |           |           |            |                |                |            |
| Sarstedt               | 1.5 ml Micro tube, PP, NON-SKIRTED | 72607            | Tube, 1.5 ml / Tube_1.5ml AdapterV1 (no BC) | SAR#72.607          | Micro Tube Screw Cap QS (cooling slot 1)<br>**T1.5 Screw    |                 |           |           |            |                |                |            |
|                        |                                    |                  |   | SAR#72.607          | Micro Tube Screw Cap QS (cooling slot 1)<br>*T1.5 Screw     |                 |           |           |            |                |                |            |
|                        |                                    |                  |   | SAR#72.607          | 24-Tube 1.5/2.0 ml QS (non-cooling slots 2-4)<br>T1.5 Screw |                 |           |           |            |                |                |            |

|          |                              |       |  |                              |   | Protocol   |
|----------|------------------------------|-------|--|------------------------------|---|------------|
| Sarstedt | 2 ml Micro tube, PP, SKIRTED | 72694 | Tube 2.0 ml / Tube_2.0ml AdapterV1 (no BC) | SAR#72.694 **T2.0 ScrewSkirt | Micro Tube Screw Cap QS (cooling slot 1)      | [Redacted] |
|          |                              |       |  | 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) |            |

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“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 |
| Starlab           | 1.5 ml Graduated Conical Tube, Natural Standard Screw Cap  | E1415-2231       | Tube, 1.5 ml / Tube_1.5ml AdapterV1 (no BC) | SL#E1415-2231<br>**T1.5 Screw   | Micro Tube Screw Cap QS (cooling slot 1)      |                 |           |           |            |                |                |            |
|                   |  |                  |   | SL#E1415-2231<br>*T1.5 Screw    | Micro Tube Screw Cap QS (cooling slot 1)      |                 |           |           |            |                |                |            |
|                   |  |                  |   | SL#E1415-2231<br>T1.5 Screw     | 24-Tube 1.5/2.0 ml QS (non-cooling slots 2-4) |                 |           |           |            |                |                |            |
| Thermo Scientific | Matrix® 2D Barcoded ScrewTop Storage Tubes 500 µl          | 3744             | Deep Well                                   | TS#3744<br>*2DStorageTubes      | SBS Universal QS V2 (cooling slot 1)          |                 |           |           |            |                |                |            |
|                   |  |                  |   | TS#3744<br>2DStorageTubes       | No adapter needed (non-cooling slots 2-3)     |                 |           |           |            |                |                |            |
| Thermo Scientific | Matrix 2D Barcoded Storage Tubes 1.4 ml, Flat Bottom Tubes | 3711             | Deep Well                                   | TS#3711<br>*1.4ml<br>2DStorageT | SBS Universal QS V2 (cooling slot 1)          |                 |           |           |            |                |                |            |
|                   |  |                  |   | TS#3711<br>1.4ml<br>2DStorageT  | No adapter needed (non-cooling slots 2-3)     |                 |           |           |            |                |                |            |

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“Eluate” drawer (continued)

| Supplier          | Material  | Example cat. no. | Category  | Name in touchscreen             | Adapter on Elution slots <sup>†</sup>     | 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<br>*1.4ml<br>RBStorageT | SBS Universal QS V2 (cooling slot 1)      |                 |           |           |            |                |                |            |
|                   |   |                  |           | TS#4247<br>1.4ml<br>RBStorageT  | No adapter needed (non-cooling slots 2–3) |                 |           |           |            |                |                |            |

\* 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 QIA Symphony 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 QIA Symphony AS.

For ordering information, visit [www.qiagen.com/goto/QIASymphony](http://www.qiagen.com/goto/QIASymphony).

## Revision history

| Document Revision History |                                |
|---------------------------|--------------------------------|
| R1 06/2020                | Release of new labware package |

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