

PAXgene® Blood ccfDNA Workflow

Save time and resources by processing PAXgene Blood ccfDNA Tubes (CE-IVD) directly on the QIAGEN QIAasymphony® SP instrument

No sample transfer



Minimizes risk of sample misidentification and blood exposure

Direct processing of primary tube



Saves time

No secondary tubes

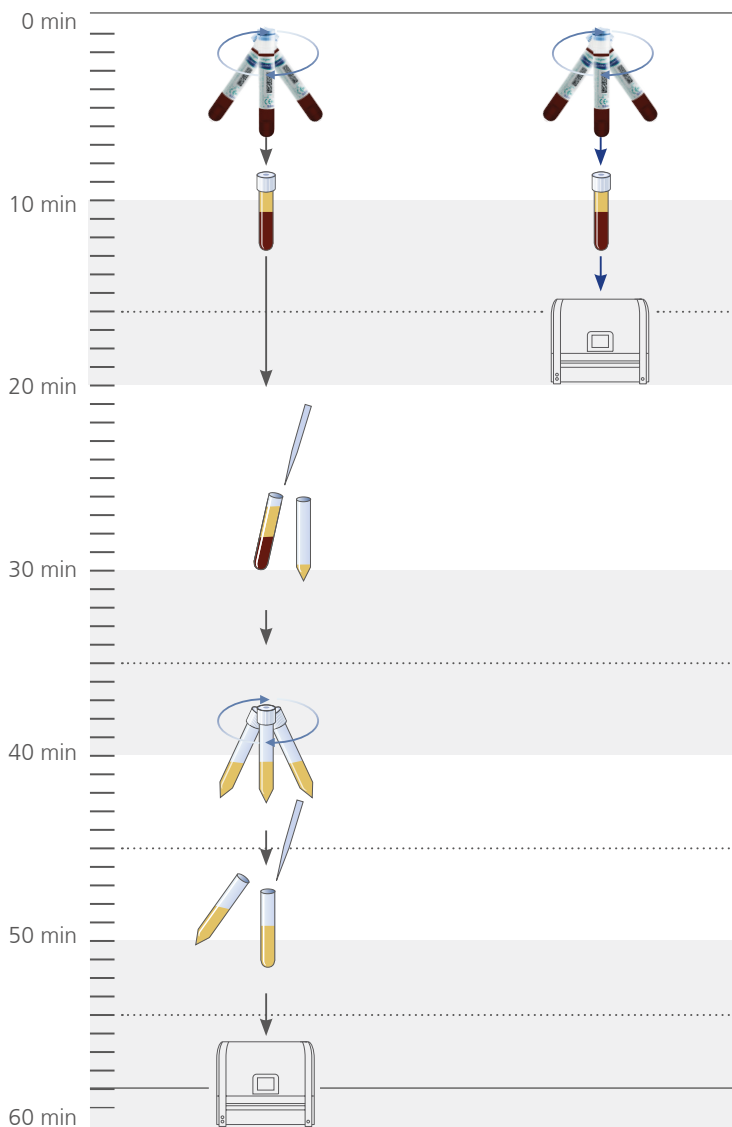


Reduces costs and biohazardous waste

Process samples 3x faster

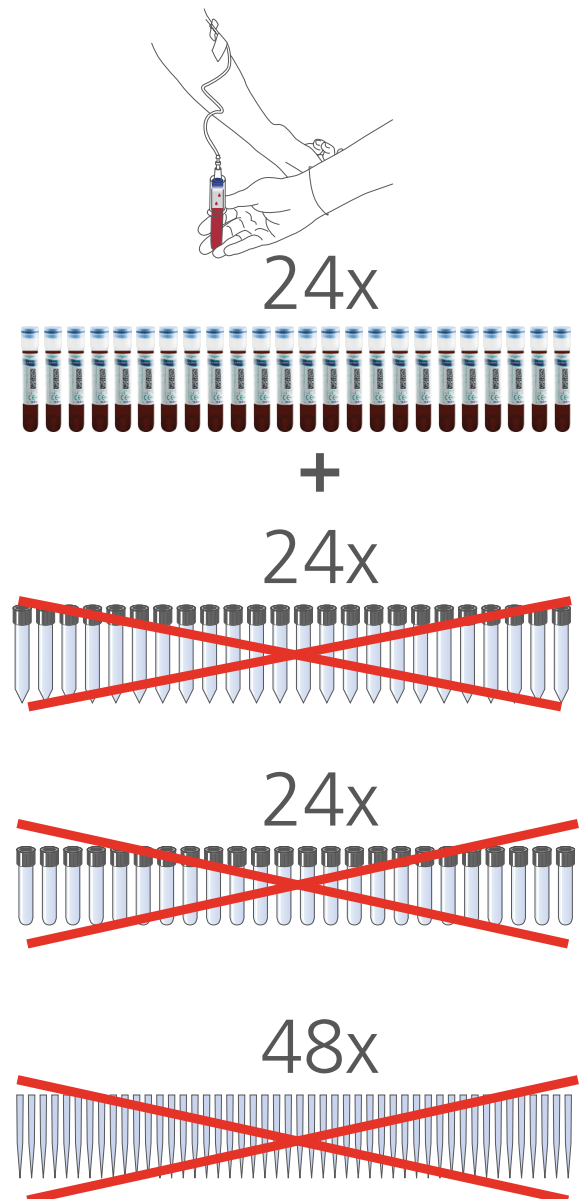
Protocol using secondary tube
60 minutes*

Protocol using primary tube handling
20 minutes*

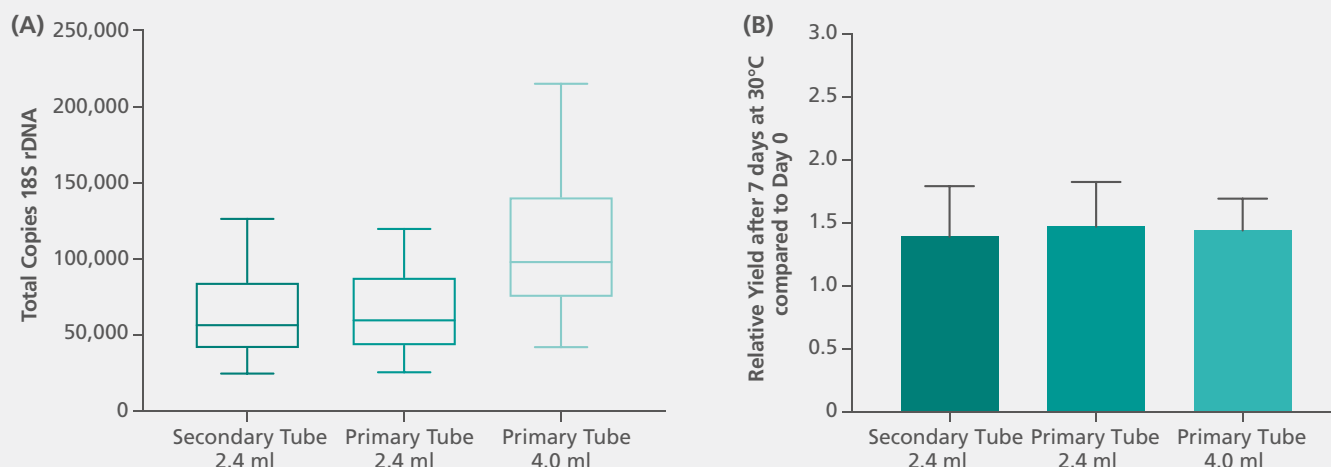


*As an example, based on the preparation of 24 tubes.

Reduce waste by ~80%



Obtain same high ccfDNA yields with primary tube handling



Primary and secondary tube handling protocols for sample input volumes of 2.4 ml and 4.0 ml plasma.

Blood was drawn using multiple PAXgene Blood ccfDNA Tubes (CE-IVD) from 21 consenting, apparently healthy donors and plasma was processed within either 4 hours or after storage for 7 days at 30°C. The tubes then underwent primary or secondary tube handling protocols. ccfDNA was extracted using the PreAnalytiX QIAAsymphony PAXgene Blood ccfDNA Kit with the appropriate protocols for either primary (PAXcircDNA_PrimaryTube_2400 or 4000_protocol) or secondary (standard protocol for 2.4 ml: PAXcircDNA_2400_protocol) tube handling. The resulting ccfDNA was analyzed for the 18S rDNA target gene, copies of which were based on standards included into each PCR run.

(A) Total copies of 18S rDNA from plasma processed within 4 hours of blood collection. Box plots with medians, 25th and 75th percentiles and minimum to maximum are denoted.

(B) Relative yield of 18S rDNA copies after storage of blood samples for 7 days at 30°C compared to plasma processed within 4 hours of blood collection. Values are means with 95% confidence.

Direct tube processing and easy protocol selection



The PAXgene Blood ccfDNA Tube (CE-IVD) consistently generates the plasma volume needed for primary tube handling using 4 ml input plasma. Quickly measure the plasma with our Protocol Selection Tool to choose the optimal protocol.



Align with QIAGEN NGS and qPCR solutions for optimal, streamlined workflows



Ordering Information

| Product | Contents | Cat. No. |
|--|--|----------|
| PAXgene Blood ccfDNA Tube (CE-IVD) (100) | 100 Tubes: 16 x 100 mm, 1.5 ml Additive, 10 ml Blood Draw Volume | 768165 |
| QIAAsymphony PAXgene Blood ccfDNA Kit (CE-IVD) (192) | Reagent cartridges, accessories and proteinase K for 192 preps | 768566 |



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