Collect. Spin. Load.

Direct processing of PAXgene® Blood ccfDNA Tubes on the QIAsymphony SP

Custom primary tube handling protocols available for the PAXgene Blood ccfDNA Tube along with the QIAsymphony PAXgene Blood ccfDNA Kit.

- Eliminate plasma transfer.
  - Reduce risk of sample mixup.
  - Minimize risk of blood exposure.
- Save time.
- Minimize costs and waste.

For Research Use Only. Not for use in diagnostic procedures.

Explore more at www.preanalytix.com

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More data. One reaction.

**Totally on-target assay design.** The most intelligent targeted sequencing assay design ever. With comprehensive coverage of critical hotspot SNVs, contiguous tiled regions in coding sequences, and intron-exon boundaries in a revolutionary fast, simple, single-tube workflow, characterization and screening of your targets of interest is finally within reach. And on-target.
One tube. Many answers.

Ion AmpliSeq technology helps you get the most from your precious samples in a single NGS run

From inherited disease and cancer research to animal health studies, Ion AmpliSeq™ targeted next-generation sequencing (NGS) panels, combined with Ion Torrent™ systems, enable reliable, scalable analysis of many genes and important biomarkers, including SNPs, indels, and fusions—all with one panel, in just one NGS run.

See how Ion AmpliSeq technology can work for you at thermofisher.com/ampliseq
High Efficiency
Chemically Modified
Synthetic sgRNA
for CRISPR

Essential for CRISPR Editing
in Primary, Stem Cells,
Therapeutic Applications
and Challenging Cell Lines.

synthego.com/cshl
Reduce Library Prep Costs

100-Fold

Echo™ Liquid Handlers enable library preparation in low microliter volumes for a range of sequencing methods. Dramatically reduce reagent costs, conserve samples, and eliminate steps – all while improving library quality.

Echo acoustic liquid handling allows...

› 100-fold reduction of library prep reaction volumes
› 30-fold reduction of sample pooling turnaround time
› Increased sample throughput
› Automation of workflow to easily prepare thousands of samples
› Improved accuracy of results

Comparison of Liquid Handling Methods*

<table>
<thead>
<tr>
<th></th>
<th>Manual Pipetting</th>
<th>Echo™ Liquid Handler</th>
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<tbody>
<tr>
<td>Amount of DNA</td>
<td>50 ng</td>
<td>0.06 - 2.0 ng</td>
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<tr>
<td>DNA volume (Rxn)</td>
<td>25 μL</td>
<td>200 nL</td>
</tr>
<tr>
<td>Library prep volume (Rxn)</td>
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<td>300 nL</td>
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<tr>
<td>Total volume</td>
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<td>0.5 μL</td>
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<tr>
<td>Reactions per kit</td>
<td>%</td>
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<tr>
<td>Cost per reaction</td>
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</tbody>
</table>


For more information, visit www.labcyte.com/sequencing.

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87% sensitivity for large heterozygous insertions and deletions*

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98% sensitivity for inversions**

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