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CE Pharm Vendor Showcase LabChip®

Applications for Nucleic Acid and Protein Analysis

Bob Swart 7, National Sales Manager

LabChip[®] GX/GXII Touch[™] Systems



For research use only, not for use in diagnostic procedures.

Key Features and Benefits

- Online fluorescent tagging for easy sample prep
- Rapid analysis time (~60 sec/sample)
- Only 1-2 uL of sample required
- Capable of analyzing crude samples
- Capable of analyzing samples with higher salt concentrations
- Single platform upstream to product release
- 96- and 384-well plate-compatible
- Reusable chips keep costs low





Protein Assay Portfolio

Molecular analysis

HT Protein Express

- 14 200 kDa
- 5.0 2000 ng/µL
- 40s per sample
- HT Chip for 400 samples

HT Low MW Protein Express

- 5 80 kDa
- 30 2000 ng/µL
- 60s per sample
- HT Chip for 400 samples

HT Pico Protein Express

- 14 200 kDa
- 10 pg/µL 500 ng/µL
- 40s per sample
- HT Chip for 400 samples

Precision analysis

HT Protein EXact

- 6 250 kDa
- 10 2000 ng/µL
- 65s per sample
- HT Chip for 400 samples

HT Protein Clear

- 14 250 kDa
- 10 1000 ng/µL
- 65s per sample
- HT Chip for 400 samples

Analytical assays

HT Charge Variant (High pl)

- pl range: 7 9.5
- 90 110s per sample
- HT Chip for 500 samples

HT Charge Variant (Low pl)

- <u>pl range: 3 7</u>
- 90 110s per sample
- HT Chip for 500 samples

HT Protein Glycan Profiler

- N-Glycans only
- 68s per sample
- HT Chip for 400 samples

Genomic Assays Portfolio

Fragment analysis

HT DNA 1K

- 25 1000 bp
- * 0.1 50 ng/ μ L per frag
- 68s per sample
- Up to 384 samples/run

HT DNA 5K

- 50 5000 bp
- + 0.25 50 ng/ μ L per frag
- 28s per sample
- Up to 384 samples/run

HT DNA 12K

(G)

- 100 12,000 bp
- + 0.25 50 ng/ μ L per frag
- 68s per sample
- Up to 384 samples/run

Smear analysis

HT DNA High Sensitivity

- 50 5000 bp
- 10 500 ng/ μ L per frag
- 100 pg/ μ L 5.0 ng/ μ L smears
- 68s per sample
- Up to 96 samples/run

HT NGS 3K

- 50 3000 bp
- + 5.0 500 pg/µL per frag
- 2.0 pg/µL 5.0 ng/µL smears
- 60s per sample
- Up to 192 samples/run

HT Genomic DNA

- 50 40,000 bp
- 0.2 5.0 ng/ μ L per frag
- 48 samples in 2.5 hrs
- Up to 48 samples/run

RNA analysis

HT RNA

- 100 6000 nt
- 5.0 250 ng/ μ L total RNA
- 80s per sample
- Up to 192 samples/run

HT Pico Sensitivity RNA

- 100 6000 nt
- + 500 5000 pg/µL total RNA
- 80s per sample
- Up to 96 samples/run

HT Small RNA

- 20 -150 nt
- 80s per sample
- Up to 192 samples/run

pDNA Analysis- 3 lsc orm esolutic for sample range 2-12 kb bo Ladder 0.1ng_Mix 500 [A2] 2.6 kbp_Mixed [B2] 4.3 kbp_Mixed standard [C2] 6.7 kbp_Mixed OC 400 [D2] 12.9 kbp_mixed 12.9 kb OC -luorescence 300 6.7 kb OC 200 4.6 kb 100 OC 2.3 kb 0 20 60 70 All supercoiled sizes a solution in the supercoiled sizes a solution of the supercoiled sizes a soluti No carry-over is det ted Internal standard fragment is ad der (more accurate sizing prediction) ٠ revvit



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