

# 3 HOURS FROM CELL LYSIS TO NGS READY

## PG-Seq™ Rapid Kit

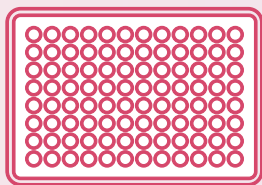
for Illumina® & Thermo Fisher® Ion Torrent® Instruments

Introducing a new, high-speed sample preparation kit for Preimplantation Genetic Testing for Aneuploidy (PGT-A). The PG-Seq™ Rapid kit accurately detects whole chromosome aneuploidy along with structural rearrangements such as unbalanced translocations and segmental errors in only 3 hours using an efficient, streamlined workflow.

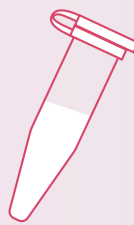
It's as simple as lyse, whole genome amplify, add indexes and adapters for your choice of sequencing platform with PCR, clean up, quantify, pool, and sequence. Analysis is performed using the PerkinElmer® PG-Find™ software. Test resolution is equivalent to the PG-Seq™ kit 2.0, with the ability to detect down to 7 Mb deletions and duplications from up to 48 samples on the Illumina® MiSeq® instrument.



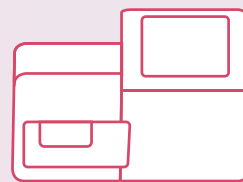
3-hour sample preparation



1 to 96 sample throughput



One tube, single clean-up



Multiple sequencer compatibility

# PG-Seq™ Rapid Workflow

LYSIS (15 MIN)



PCR 1 WGA (1 HR 20 MIN)

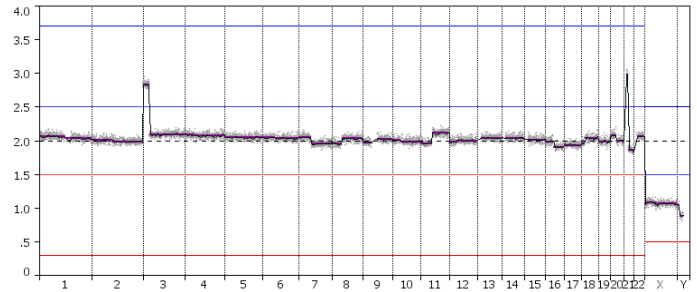
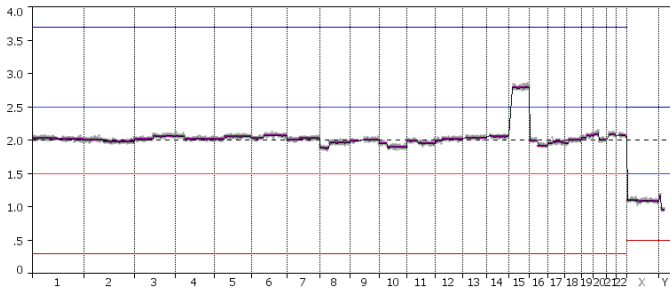


PCR 2 ADAPTER & INDEX ADDITION (20 MIN)



CLEAN-UP

SEQUENCE



Example results from 5 cell aliquots of Coriell cell lines GM07189 (47,XY,+15) (left) and GM09552 (47,XY,+der(21)t(3;21) (p24.1;q21) (right).

## ORDERING INFORMATION

Catalog #	Product
4326-0010	PG-Seq™ Rapid Kit for Illumina® NGS
4327-0010	PG-Seq™ Rapid Kit for Thermo Fisher® Ion Torrent® NGS

For more information visit [perkinelmer-appliedgenomics.com/pg-seq-rapid](http://perkinelmer-appliedgenomics.com/pg-seq-rapid) or contact your local PerkinElmer representative.

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