

HUMAN HEALTH

ENVIRONMENTAL HEALTH

SINGLE CELL WGA



PicoPLEX™ WGA Kit allows whole genome amplification from a single cell

With PicoPLEX™ WGA (Whole Genome Amplification) kit you can use just one cell to provide

the amount of genomic data that has previously required as many as 10,000 cells. Researchers using PicoPLEX WGA reagents can have confidence in the DNA amplification of all 24 chromosomes, for example, prior to KaryoLite BoBs or CGX oligoarray analysis. Single cell samples can be taken from polar bodies, blastomeres or blastocysts for preimplantation genetic diagnosis (PGD) and preimplantation genetic screening (PGS) research applications.

Newest technology from Rubicon Genomics, Inc

PicoPLEX WGA is based on the newest technology from Rubicon Genomics, Inc.

PicoPLEX WGA was designed and optimized for single-copy genomic DNA where the amplified genomic DNA reproducibly represents all sequences with low allele drop out and with very low background.



شوگازيست
همراه شما در دانش و نوآوری

www.shookazist.com
info@shookazist.com

تلفن: ۰۲۱) ۸۸۵۸۳۹۱۰
فکس: ۰۲۱) ۸۸۵۸۳۹۳۰



PerkinElmer®
For the Better

Rapid and robust one-tube protocol

The amplification procedure is a simple 1-tube, 3-step and 3 hour protocol to produce more than 3 micrograms of amplified DNA. The PicoPLEX product comprises eight reagents – everything needed to perform 50 amplification reactions.

The kit performance is excellent. DNA from a single cell is amplified reproducibly about 1 million fold to produce 3-5 micrograms of amplified DNA. There is extremely low background and reproducible locus amplification. There is no allele bias.

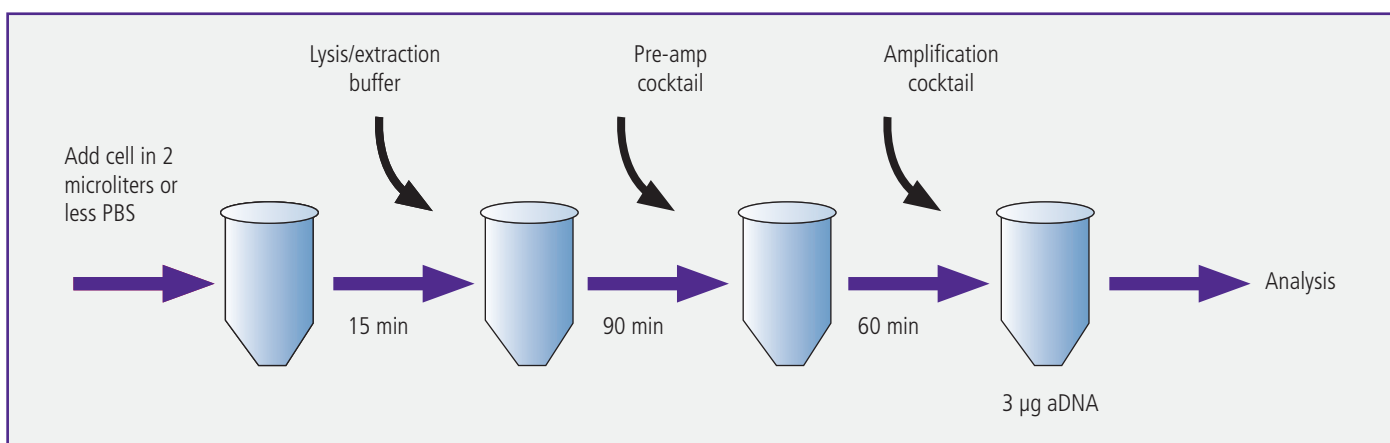
Main benefits include

- High reproducibility BoBs or aCGH results
- Low background
- Simple workflow
- Results obtained rapidly

The PicoPLEX WGA kit produces amplified DNA suitable for:

- CNV (Copy Number Variant) analysis using BoBs or CGX oligoarrays
- SNP genotyping using arrays
- Mutation detection using arrays and PCR

PicoPLEX™ WGA whole genome amplification process amplifies a single cell's DNA roughly one million-fold to give 3-5 micrograms of amplified DNA.



ORDERING INFORMATION

4504-0010

PICOPLEX WGA KIT

The kits are for Research Use Only.
Not for use in diagnostic procedures.

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
Phone: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com

PerkinElmer, Inc.
Wallac Oy
PO Box 10
20101 Turku, Finland
Phone: +358-2-2678-111
Fax: +358-2-2678-357

ISO 13485
ISO 9001
CMDCAS
ISO 14001
OHSAS 18001



For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

©2013 PerkinElmer, Inc. All rights reserved. PerkinElmer is a registered trademark of PerkinElmer, Inc. All other trademarks depicted are the property of their respective holders or owners. PerkinElmer reserves the right to change this document at any time and disclaims liability for editorial, pictorial or typographical errors.

1244-9964-02, September 2013