

A NEW GENERATION OF WHOLE GENOME AMPLIFICATION

Introducing RHS Technology: DOPlify® Kit

Start your Preimplantation Genetic Testing with the Right DNA Amplification

Genomic analysis platforms require at least 1 ng of DNA and single cells contain only 6 pg of genomic DNA. Whole genome amplification is used to replicate the complete genome to generate sufficient DNA for analysis.

The accurate interpretation of single cell data relies on the ability of the whole genome amplification to comprehensively and reliably amplify the genome.

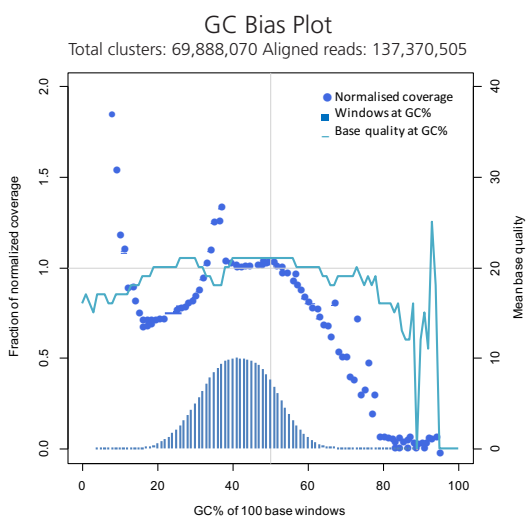
The DOPlify® kit has been optimized specifically for single cell whole genome amplification. The kit is suited not just to single cells but to any low template sample, including cell free DNA and small numbers of cells.

Using the latest generation reagents that have been specifically developed for highly sensitive Next Generation Sequencing applications, the DOPlify® kit excels at being;

- Robust
- Reproducible
- Simple to use and automate
- A fast, single tube system
- Reduced GC bias

No lysis is needed for cell-free DNA, making the DOPlify® kit a single step WGA protocol readily amenable to automation.

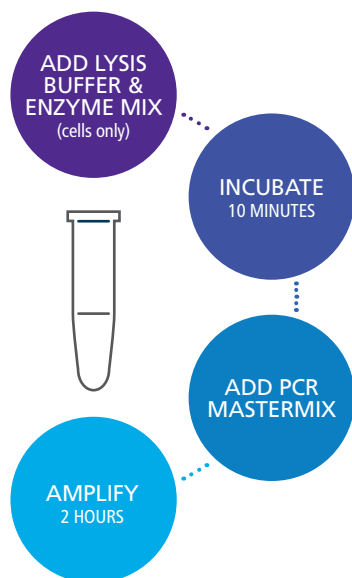
- Universal amplification
- Offering flexible NGS workflows
- Supporting both PGT-A and targeted detailed PGT-M
- Allowing PGT-A of 48 samples in a single standard Illumina® MiSeq® or MiniSeq® protocol



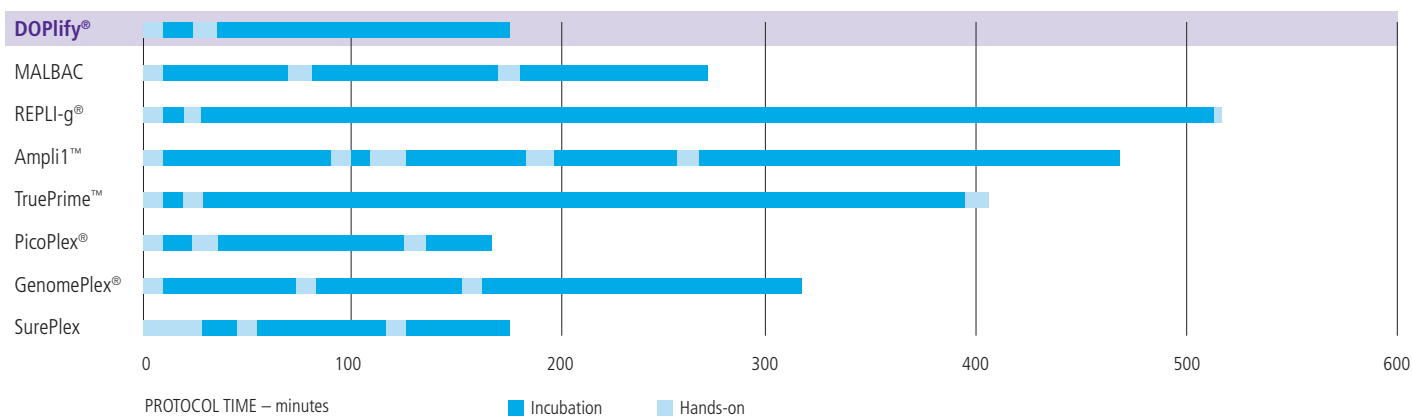
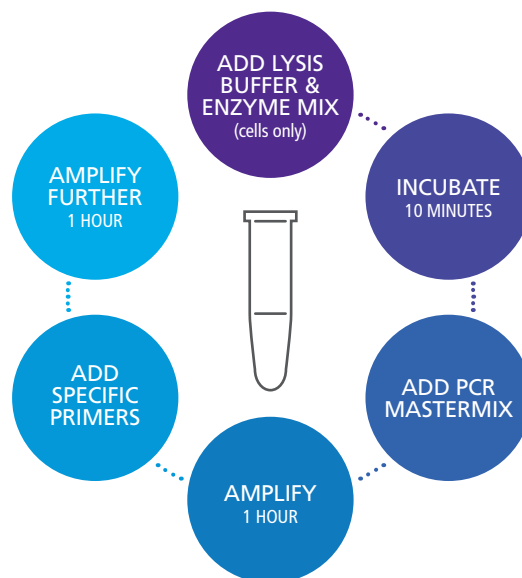
For research use only. Not for use in diagnostic procedures.

SINGLE TUBE FORMAT

Whole Genome Amplification for PGT-A



WGA & Target Sequence Enrichment for PGT-A + PGT-M



Unique to the DOPlify® kit, regions such as genes of clinical interest, fragile sites and breakpoints, and STR and SNP markers can be concurrently amplified during the whole genome amplification program, generating a pool of amplicons specifically enriched for the target region, significantly reducing allele drop-out.

This pool can then be analysed using standard downstream analysis methods, including Next Generation Sequencing, gel electrophoresis or Sanger sequencing.

The DOPlify® WGA kit is suited to a spectrum of NGS library preparation kits and both Illumina® and Ion Torrent™ sequencers.

NGS data analysis can be performed using a range of downstream software packages.

ORDERING INFORMATION

Catalog #	Product	Quantity
RHS4050	DOPlify® Whole Genome Amplification Kit	50 rxns

For more information visit www.rhsc.com.au or contact your local PerkinElmer representative.

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



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

Copyright © 2018, PerkinElmer, Inc. All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.

AG011806_26_FL PKI