



SMARTCHIP™ AND APOLLO 324™ SYSTEMS

FLEXIBLE AND ROBUST SOLUTIONS
FOR CLINICAL RESEARCH






OPTIMIZE AND STANDARDIZE YOUR WORKFLOWS

CLINICAL RESEARCH LABS REQUIRE CONSISTENT RESULTS AND EFFICIENT WORKFLOWS TO STREAMLINE EXPERIMENTS AND PROVIDE UNAMBIGUOUS RESULTS.

WHETHER IT'S WHOLE GENOME OR EXOME SEQUENCING, TARGETED PANELS, OR HIGH THROUGHOUT GENE EXPRESSION AND GENOTYPING, WE HAVE SOLUTIONS TO STANDARDIZE AND MAXIMIZE YOUR WORKFLOWS TO ENSURE ACCURATE RESULTS FROM EACH OF YOUR SAMPLES. THE FLEXIBLE NATURE OF OUR TECHNOLOGIES ALSO PROVIDE MORE SAMPLES AND ASSAY FORMATS OPTIONS.



APOLLO 324 SYSTEM

The Apollo 324 Next Generation Sample Preparation System provides the greatest sample preparation flexibility, workflow convenience, and reliability.

FLEXIBLE

Run 1 -96 samples in one day in any batch size

CONVENIENT

Walk away capability - as little as 30 minutes of hands on time

RELIABLE

Completely enclosed system minimizes contamination



Apollo 324

Benchtop platform that allows you to prepare libraries in as little as one hour.



PrepX Reagents

DNA and RNA applications optimized to run with the Apollo, compatible with both Illumina and Ion Torrent sequencers.

SMARTCHIP TE

The SmartChip NGS Target Enrichment System utilizes singleplex PCR for custom and pre-designed panels, enabling unparalleled sample uniformity and coverage. Combined with the fastest and easiest workflow available, you have a complete solution to streamline your experiments .

COVERAGE

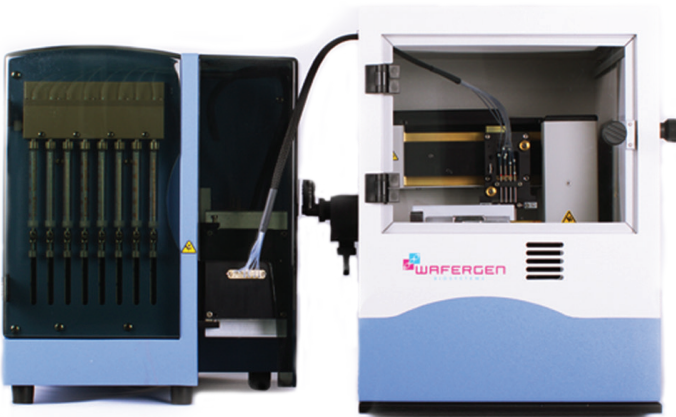
Massively parallel single-plex reactions for greater coverage

EFFICIENT

Library prep and target enrichment in a single step with a less than 4hr workflow

DYNAMIC

Add or remove assays without affecting the entire panel



MultiSample NanoDispenser

The Seq-Ready TE MultiSample NanoDispenser (MSND) enables target enrichment and greater flexibility in sample and panel design while allowing you to run multiple samples on the same chip

Seq-Ready TE MultiSample Workflow

1

Select regions of interest

2

Dispense primers using an MSND or receive SmartChips with pre-dispensed primers

3

Dispense sample and master mix with the MSND

4

Perform single-plex PCR

5

Pool indexed samples

6

Purify and sequence libraries

SMART CHIP RT-PCR

The SmartChip Real-Time PCR System is a high throughput qPCR platform for gene expression or genotyping applications. The system can run 5,184 reactions in only 2 hours on a single chip, completing projects quickly and efficiently.

HIGH THROUGHPUT

Nano scale volumes are more efficient than 96 or 384 well plates, and do not require pre-amplification

AGILE

Run up to 5,184 reactions in under 2 hours

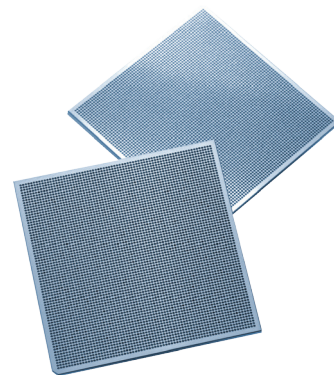
ACCESSIBLE

Dispense your own assays in the lab or have chips pre-printed – take control of your entire workflow



SmartCycler

High-throughput qPCR system to decrease reaction volumes and increase the number of samples you can analyze in a single day



SmartChip

The nanoliter wells of the SmartChip are optimized to provide volumes 100 times more efficient than standard 384 well plates while requiring no additional preamplification

WAFERGEN BIOSYSTEMS

INNOVATIVE SINGLE-CELL ANALYSIS AND
CLINICAL RESEARCH SOLUTIONS

FOR SALES: SALES@WAFERGEN.COM
FOR GENERAL INFORMATION: INFO@WAFERGEN.COM
FOR SUPPORT: SUPPORT@WAFERGEN.COM

WWW.WAFERGEN.COM
34700 CAMPUSDRIVE
FREMONT, CA 94555 U.S.A.
+1 510.651.4450

FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES.

420-000 43 B 092815-1