

# SurePlex™ DNA Amplification System

Produce 2–5 µg DNA from a single or a few cells.

## Description

The SurePlex DNA Amplification System reproducibly amplifies total DNA from single cells or a few cells to produce 2–5 µg of amplified DNA in 2 hours. The SurePlex system is intended for use in VeriSeq™ preimplantation genetic screening (PGS) applications.

## Supply

The SurePlex DNA Amplification System kit consists of eight components, including the enzymes and buffers required to perform the amplification protocol. A single SurePlex kit supports 50 amplification reactions, and is shipped on dry ice. The contents are provided in clear screwcapped tubes with color-coded lids as described in the SurePlex summary protocol. For detailed information on the SurePlex DNA Amplification System kit contents, see the Contents Table (Table 1). Each pack is labeled with the product name and model number, lot number, storage conditions, and expiration date.

## Storage

Upon receipt, the SurePlex DNA Amplification System should be stored at -15°C to -25°C in a non-frost-free freezer until required. The SurePlex DNA Amplification system should be used before the expiration date.

## Technical Specifications

The SurePlex DNA Amplification System uses semi-random, non-self-complementary primers to make a library of DNA sequences that can be amplified > 1000-fold. The kit employs a universal-primer PCR to produce DNA of a standard concentration that can then be used in VeriSeq PGS applications.

## Safety Information

Visit [support.illumina.com/sds.ilmn](http://support.illumina.com/sds.ilmn) for available safety data sheets (SDS). SurePlex DNA Amplification System: PR-40-415101-00.

**Table 1: SurePlex DNA Amplification System–Kit Contents**

Description	Size	Item No
Cell Extraction Buffer	300 µl	R30050-01
Extraction Enzyme Dilution Buffer	300 µl	R30050-02
Cell Extraction Enzyme	15 µl	R30050-03
SurePlex Pre-Amp Buffer	275 µl	R30050-04
SurePlex Pre-Amp Enzyme	15 µl	R30050-05
SurePlex Amplification Buffer	1.4 ml	R30050-06
SurePlex Amplification Enzyme	50 µl	R30050-07
Nuclease-Free Water	2 × 1.8 ml	R30050-08

## Ordering Information

Product	Catalog No.
SurePlex DNA Amplification System (50 reactions)	PR-40-415101-00

## Learn More

To learn more about the SurePlex DNA Amplification System, visit [www.illumina.com/products.html](http://www.illumina.com/products.html)

To view or download the SurePlex Summary Protocol, visit [SurePlex Summary Protocol Experienced User Card](#)

## Notices

SurePlex contains technology developed and manufactured by Takara Bio Inc., Mountain View United States and international patents pending.