

## SSP Wipe Test

Catalog #SSPWT12

### For General Laboratory Use.

#### SUMMARY AND EXPLANATION

The Wipe Tests for PCR amplicon contamination is provided specifically for use with the One Lambda Micro SSP™ DNA Typing Trays. The Wipe Test allows the user to assure that the laboratory work area is not contaminated by carry-over of amplification product.

The Wipe Test primer set amplifies the internal control amplicon generated in the One Lambda Micro SSP™ Typing Trays. The internal control PCR product amplified from the human  $\beta$ -globin gene is the most likely contaminating PCR product due to its amplification in every well.

Since each laboratory has its own method to test for contamination, One Lambda does not recommend any specific protocol and provides only the formulation needed to run a test.

#### REAGENTS

##### A. Warning or Caution

1. For General Laboratory Use.
2. **Warning:** Use only the D-Mix purchased with this One Lambda SSP Wipe Test.
3. **Biohazard Warning:** The ethidium bromide used for staining of DNA is a potential carcinogen. Always wear gloves when handling stained gels.
4. **Biohazard Warning:** All blood products should be treated as potentially infectious.
5. **Caution:** Wear UV-blocking eye protection, and do not view UV light source directly when viewing or photographing gels.
6. Pipettes used for Post-PCR manipulations should not be used for Pre-PCR manipulations.
7. If salts have precipitated out of solution in the D-mix aliquots during shipping or storage, re-dissolve by extended vortexing at room temperature.

##### B. Instructions for Use (See Directions for Use Below)

##### C. Storage Instructions

Store reagents at temperature indicated on label. Use before expiration date.

#### INSTRUMENT REQUIREMENTS

The following program is designed for use on 96-Well GeneAmp® PCR System 9600, 9700 or Veriti™ 96-Well Thermal Cycler (Applied Biosystems). Set ramp speed to 9600 for 96-Well GeneAmp® PCR System 9700. Set ramp speed to 9600 Emulation Mode for Veriti™ 96-Well Thermal Cycler. Set reaction volume to 10  $\mu$ l. Program your thermal cycler before starting the “Directions for Use.”

### Micro SSP™ PCR Program (OLI-1):

# of Cycles	Step	Temp (°C)	Time (sec)
1	1	96	130
	2	63	60
9	1	96	10
	2	63	60
20	1	96	10
	2	59	50
	3	72	30
End	1	4	---

## PROCEDURE

### A. Materials Provided (100 tests)

1. 200 µl primer (2µl per test)
2. 1000 µl D-mix (7 µl per test)

*Note: The volumes provided are slightly more than the amount required for testing. This is to account for inadvertent losses which may result from pipetting.*

### B. Materials Required, but Not Provided

Taq polymerase

### C. Step-by-Step Procedure

See Directions for Use below.

## DIRECTIONS FOR USE:

Use the following formulation to prepare the reagents for your wipe test:

1. Use 2µl of wipe test primer set per PCR reaction.
2. Use 1µl of the test sample and 7 µl wipe test D-mix per reaction.
3. Use .05 µl at 5 units/µl of recombinant taq polymerase per reaction.
4. Perform standard PCR with the Micro SSP™ PCR program (OLI-1) as specified below.

## TRADEMARKS USED IN THIS DOCUMENT/PRODUCT

Micro SSP™	One Lambda Inc.
GeneAmp®	Hoffman-La Roche, Inc.
Fotodyne FOTO/UV®21	FOTODYNE Incorporated
FMC SeaKem®	FMC Corporation
ARMS™	Zeneca Limited

## PATENTS USED IN THIS DOCUMENT

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SSP technology is licensed from Zeneca Limited, through its Zeneca Diagnostics business, Blacklands Way, Abingdon Business Park, Abingdon, Oxfordshire, England OX14 IDY and covered under the following patents held by Zeneca Corporation: European Patent No. 0 332 435 B1, United States Patent No. 5,595,890, entitled "Method of detecting nucleotide sequences," and Canadian Patent No. 1323592, and corresponding patents and patent applications worldwide.

The Micro SSP™ DNA typing reagents are manufactured and distributed by One Lambda, Inc., 21001 Kittridge Street, Canoga Park, CA 91303, U.S.A.

## REVISION HISTORY

Revision	Date	Revision Description
9	2009/02	Template Update; Added the Veriti™ Thermal Cycler in the Instrument Requirements Section; Separated "Thermal Cycler" into two words; Added Reagents and Procedure Sections; Inserted a Revision History Section
10	2009/04	Footer format edit only. No content change.