

## Penicillin-Streptomycin Solution (100x)

(Cat# C8057; ready-to-use solution; store at -20 °C)

### Introduction

The antibiotics penicillin and streptomycin are used to prevent bacterial contamination of cell cultures due to their effective combined action against gram-positive and gram-negative bacteria.

ABSbio™ ready-to-use Penicillin-Streptomycin Solution is formulated sterile-filtered 100x antimicrobial solution contains 10,000 units/mL of Potassium Penicillin and 10,000 µg/mL of Streptomycin Sulfate.

### Kit Components

Penicillin-Streptomycin Solution (100x): 100 mL Multiple size are available:

**Storage and Handling:** Store all of the components at -20°C. Shelf Life: 6 months after receipt.

### Features for All of Solution & Buffers

Formulated from analytical grade chemicals.

Ideal for standardizing laboratory work.

Ready to use in minutes.

### Applications

Penicillin-Streptomycin is used to supplement cell culture media to control bacterial contamination. It is recommended for use in cell culture applications at 100x dilution.

### Protocol

Aliquot and freeze (-20°C) for long-term storage or refrigerate (4°C) for short-term storage. Stock solutions are stable for up to 6 months at -20°C or for up to 2 weeks at 4°C.

Add 5 mL of Penicillin-Streptomycin solution into 500 mL of cell culture media for a final concentration of 100 I.U./mL penicillin and 100 (µg/mL) streptomycin.

### Related Products:

TMB substrate solution(#C8010)

ELISA Washing Buffer(20x, 25mL; #C8003)

Protein Loading Buffer(6x ; #C8005)

Phosphate Buffered Saline (10x PBS, #C8007)

Phosphate Buffered Saline(1xDPBS, #C8012)

TAE Buffer(10x, #C8015)

Cell Lysis Buffer(#C8019)

RIPA Buffer(#C8017)

ELISA Blocking Buffer(5x 25mL; #C8002)

Antibody Dilution Buffer(#C8004)

SDS-PAGE Running Buffer(10x ; #C8006)

Phosphate Buffered Saline with Tween 20(10x PBS-T; #C8008)

PAGE-gel transfer buffer(10x, #C8014)

TBE Buffer(10x, #C8016)

TE Buffer(#C8020)

BCIP/NBT Substrate system (#C8041)