

## SG UNIVERSAL LIBRARY PREP ADAPTER OVERVIEW

The SG Universal Library Prep Adapter kit provides adapter and reagents designed to support the preparation of indexed or non-indexed PCR libraries for the G4™ Sequencing Platform.

For more information about Singular Genomics® primers and adapters, see the [Adapters and Indices for the G4 Sequencing Platform Reference Guide](#).

### Product Configurations

Product Name	Ordering #	Quantity
SG Universal Library Prep Adapter (96 Rxns)	#700,117	96 reactions
SG Universal Library Prep Adapter (24 Rxns)	#700,118	24 reactions

### SG Universal Library Prep Adapter Contents

One SG Universal Library Prep Adapter product contains:

Components	Container	Description
SG Universal Library Prep Adapter	Freestanding micro-centrifuge tube	Universal Adapter containing SP1 and SP2 sequences, 15 µM. 24 rxn: 130 µL, 96 rxn: 520 µL.
4X Cleave Reaction Buffer	Freestanding micro-centrifuge tube	Buffer for cleave reaction. 920 µL per tube.
Cleave Enzyme	Freestanding micro-centrifuge tube	Enzyme that cleaves the cleavable site in the adapter. 24 rxn: 130 µL, 96 rxn: 520 µL.

### Consumable Storage Temperatures

Components	Shipping Temperature	Storage Temperature
SG Universal Library Prep Adapter	Dry ice	-15°C to -25°C
4X Cleave Reaction Buffer	Dry ice	-15°C to -25°C
Cleave Enzyme	Dry ice	-15°C to -25°C

### Shelf Life

Always check the expiration date on your kit before use. Expiration dates are listed on the kit label.

For Research Use Only. Not for use in diagnostic procedures.

## Prepare SG Universal Library Prep Adapter for Use

1. Remove adapter and 4X Cleave Buffer from -25°C to -15°C storage.
2. Place the adapter and 4X Cleave Buffer in a water bath with room temperature deionized water.
3. Leave reagents until completely thawed.
4. Vortex thawed reagent tubes and then centrifuge briefly.
5. Keep on ice until ready to use.

**NOTE**

Do not thaw or vortex the tube with Cleave Enzyme. Keep in -25°C to -15°C storage as long as possible, and when taken out of storage, keep on ice or in a -25°C to -15°C cooling block.

### Revision History

Document #	Revision	Release Date	Description of Change
600015	Rev. 0	June 2023	Initial release.

## Customer Care

Our team is committed to ensuring your success. Field application scientists, field service engineers, and customer care specialists are dedicated to responding quickly and effectively to your inquiries. From preparing your lab for the arrival of your instrument, to onsite training in system operation and maintenance and continued support, we'll be with you every step of the way.

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