



FlexStop™

Product Information Sheet

01/21/16 Rev. 1.0

The Flexcell® FlexStop™ acts as a stopper to prevent vacuum pressure application to the bottom of a single BioFlex® well (Fig. 1). The FlexStops™ are used to create an unstrained controlled environment to culture cells while applying strain to other cultures within the same plate (Fig. 2). Any number of wells can be sealed with a FlexStop™ to provide the desired amount of non-strained control cultures. For more information, see the FlexStop™ product webpage at <http://www.flexcellint.com/FlexStop.htm>.

INSERTING THE FLEXSTOP™ INTO THE FLEXCELL® CULTURE PLATE WELL

The FlexStop™ can be inserted into the underside of a BioFlex® culture plate before or after the cells are seeded and allowed to attach to the membrane surface. For ease of use, it is recommended that the FlexStop™ be placed in the BioFlex® plate before it is plated with cells so that medium spillage will not be a concern. If only one FlexStop™ is used, a support will need to be placed under the BioFlex® plate to balance it while the cells are attaching.

Before placing the FlexStop™ into the underside of the BioFlex® well, be sure that the air pin is not in the FlexStop™ hole. To place the FlexStop™ into a BioFlex® well, push the smaller diameter end of the stopper into the bottom of the BioFlex® well until it is snugly fit. Be sure that the two air holes on each side of the stopper are exposed and not pushed past the bottom lip of the BioFlex® well. Use a lubricant (silicone-based, stopcock grease, or glycerol) to lubricate the FlexStop™ pin. Push the pin back into the air hole that runs through the stopper until the pin head meets the side of the FlexStop™. The membrane should now be fully sealed. The air volume between the FlexStop™ and BioFlex® membrane should be at atmospheric pressure, notable by a flat and non-flexed membrane.

RUNNING REGIMENS WITH THE FLEXSTOPS™

The FlexStop™ is designed to accommodate being used with a Loading Station™ plate. When using a Loading Station™, remove the loading post button from the position underneath the BioFlex® well with which you wish to use the FlexStop™. If you do not have a set of Loading Stations™, contact Flexcell for a support plate to use with the FlexStop™.

CARE AND MAINTENANCE OF THE FLEXSTOPS™

The FlexStops™ should be stored at room temperature. Keep the FlexStops™ clean from lubricant, as lubricant will prevent them from staying in the undersides of the BioFlex® wells. To remove any lubricant, wipe the FlexStop™ with alcohol and detergent.

ORDERING INFORMATION

FlexStops™ (Cat. No. BFS-3000) are sold in a set of 12.

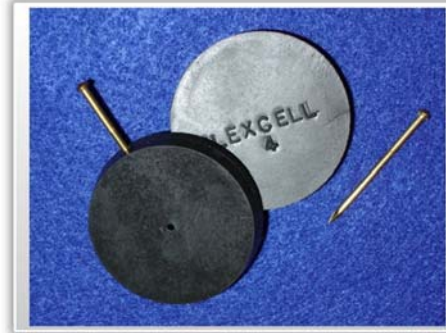


Figure 1. Flexcell® FlexStop™.

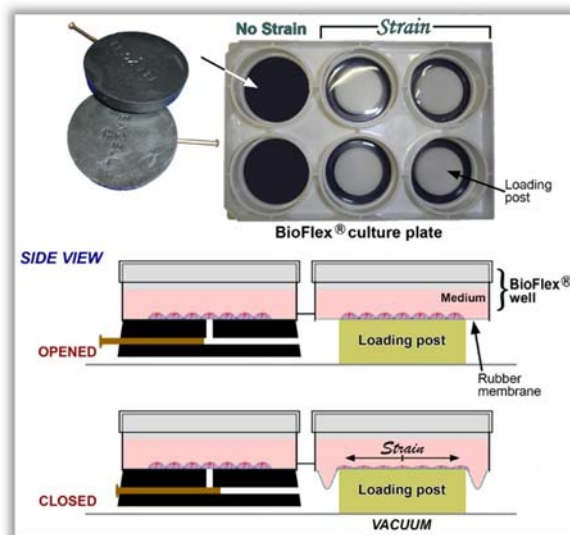


Figure 2. Flexcell® FlexStop™ prevents the applied vacuum from stretching the rubber membrane in the well bottom of a BioFlex® culture plate.