

Corning® X-MINI® Pressor

Instructions for Use


CORNING

Introduction


The Corning X-MINI Pressor (Cat. No. 6915) allows for the degassing of microbubble-targeted cells. It accommodates a capped 10 mL syringe. The pressure generated using the X-MINI Pressor is sufficient to isolate up to 1×10^7 cells, and one syringe can process up to 3 mL of cell suspension at a time.

Symbol Legend

 Caution

 Refer to instructions

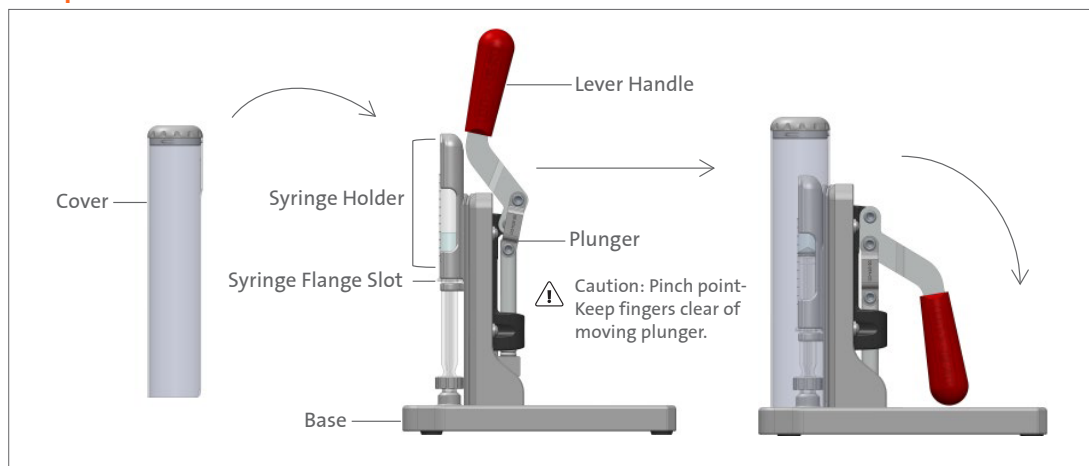
 Serial Number

 Manufactured By

 Keep Dry

 Catalog Number

Components




Directions

The Corning X-MINI Pressor is designed to be used exclusively with the Corning X-MINI Selection Kits. Please refer to the Corning X-MINI Selection Kit Instructions for Use for more information on how to use this product in conjunction with the kit.

When using the X-MINI Pressor, follow the incubation times and degassing instructions for each separation according to the X-MINI Selection Kit Instructions for Use.

The X-MINI Pressor has been validated for use with the BD 10 mL syringe (BD Biosciences 309604).

Results may vary when used with other manufacturers' syringes.

1. Securely attach the capped 10 mL syringe with sample to the syringe holder, and ensure the syringe flange is in the slot.
 Caution: Improper placement of syringe may cause damage to the X-MINI Pressor.
2. Place the cover over the syringe.
3. Prior to pressurizing the sample, ensure the cover is secured by firmly pressing down.
4. Pull the lever down to degas the microbubble-cell sample.
5. Let the sample degas for 30 seconds.

6. Lift the lever, and remove the cover to retrieve the syringe.
7. Mix the sample thoroughly by inversion.
8. Repeat Steps 1 through 6, and remove the fully degassed sample.

Maintenance

Application of PTFE dry lubricant is recommended to maintain smooth plunger movement. 70% isopropyl alcohol or 10% bleach may be used to clean the equipment.

Frequently Asked Questions

1. The positive fraction still looks opaque. Is my sample fully degassed?

Yes. The sample may still look opaque due to various factors such as microbubble volume and sample cell concentration. If desired, the user may perform another round of degassing.

2. Does applying pressure affect the cells?

No. We have found that the viability of the cells is minimally affected by the pressure applied.

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