



## Media Packer for Disposable Cartridges

Cat. no. W 1121

### Description

Media packer for disposable cartridges is used to pack desired affinity purification resin into BioRad 1 ml or 5 ml empty Bio-Scale Mini cartridges. This is especially useful when the desired resin does not come in a pre-packed column/cartridge. By adding appropriate amount of resin into 1 ml or 5 ml empty cartridges, you can make your own pre-packed cartridges in one minute with the provided packer and use it for protein affinity purification on instruments or with syringe. No expensive glass columns and no slow gravity flow packing process!

### Equipment and reagents to be supplied by user

*When working with chemicals, always wear a suitable lab coat, disposable gloves and protective goggles. For more information, consult the appropriate material safety data sheets (MSDSs), available from the product supplier.*

- 1ml (BioRad, Cat# 732-4660) or 5 ml (BioRad, Cat# 732-4661) Bio-Scale Mini cartridges
- 60% (v/v) slurry affinity purification media
- Waste beaker
- Test tube or similar rack that can hold cartridges

### Packing procedure

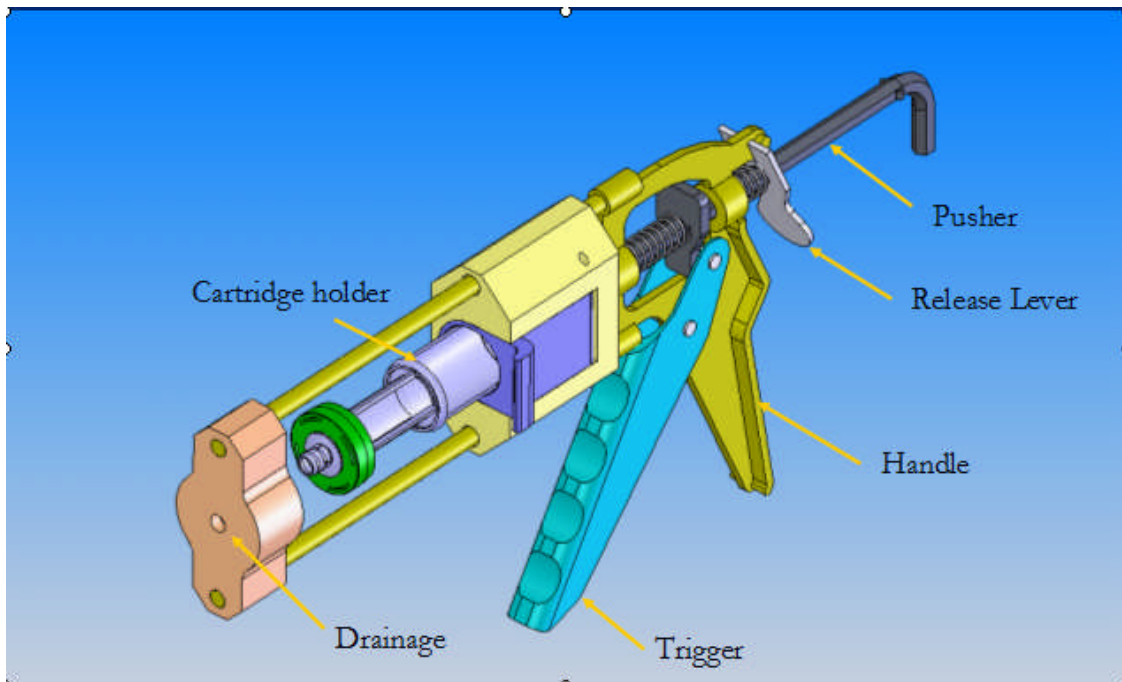
(Refer to the illustration on the next page for the names of the parts)

1. Make sure the cartridge body has its frit in it and the body cap is on. Make sure the cartridge insert has the frit in it and the green retaining ring on top of the insert. Place them upright on the test tube rack
2. Hold the packer and press the release lever so the cartridge holder is pushed towards the release lever.
3. Add 1.90 to 2.1 ml (for 1 ml cartridge) and 9.5 to 10.5 ml (for 5 ml cartridges) 60% (v/v) slurry of media to cartridge body. **Note: the amount added can be tested first to reduce the end space to the minimum. But the end space caused by insufficient media packing does not affect the purification much.**
4. Place the cartridge body with media in the packer holder (the 1 ml cartridge packing needs the removable holder in place) and hold the packer upright to make sure the media stay in the cartridge body.
5. Place the cartridge insert with the green retaining ring (the ring is away from the cartridge body, close to the drainage side of the packer) on top of the cartridge body and press it slightly into the cartridge body.
6. Hold the handle while press the trigger multiple times so the green retaining ring sets in place on the drainage. Press couple of more times so the cartridge insert is pushed into the cartridge body a little further to secure the insert in the body. Invert the packer three to four times so the media are fully mixed in the closed cartridge.
7. Face the drainage to the waste beaker. Hold the handle and press the trigger multiple times until the cartridge holder can not move forward further (towards the drainage). The liquid from the cartridge now is squeezed into the beaker through the drainage, and the cartridge body and cartridge insert are securely fastened by the green retaining ring. Now, the media is successfully packed in the cartridge.
8. Place the cartridge cap on and store the cartridge at 4°C for future use.

## Media Packer for Disposable Cartridges

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### Media packer illustration



### Empty cartridge illustration

