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# TFA Bottle Cap Remover

## Technical Note

### HP 241 Protein Sequencer (N+C)

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Both the HP 241 Protein Sequencing System and the HP G1004B Protein Chemistry Station require the use of the highly corrosive acid trifluoroacetic acid (TFA). The reagent bottles containing this acid must be fitted with a special TFA bottle cap (and gasket) when used in the above instruments. The removal of both the original bottle cap (prior to installation in the instrument) and the TFA bottle cap (when changing a bottle) afford the potential hazard of accidental contact with TFA. This problem is circumvented by the use of the HP G1000-20155 TFA bottle cap remover, a tool designed for safe removal of caps from TFA bottles.

#### Procedure

Use the following procedure whenever you are *removing* an original cap or a TFA bottle cap from a TFA reagent bottle.

- 1 Wear safety glasses and gloves.
- 2 Place the TFA bottle on a flat, level surface and hold it firmly with one hand.
- 3 Place the TFA bottle cap remover over the top of the cap.
- 4 Rotate the tool counterclockwise until the cap is free of the bottle top.

Do not use the TFA bottle cap remover to *install* the TFA bottle cap prior to placing the reagent bottle in the sequencer. This could lead to excessive tightening of the cap and subsequent difficulty in removing it.

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