**FIGURE 1** is a comparison of the steps involved with DNA extraction using a standard protocol and the new proteinases.

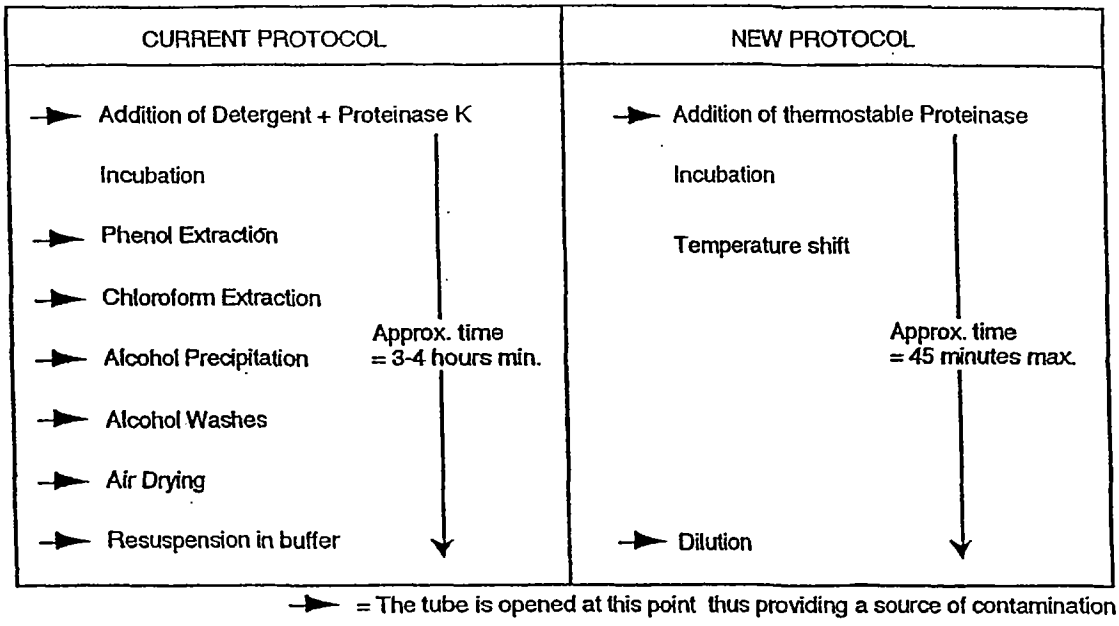
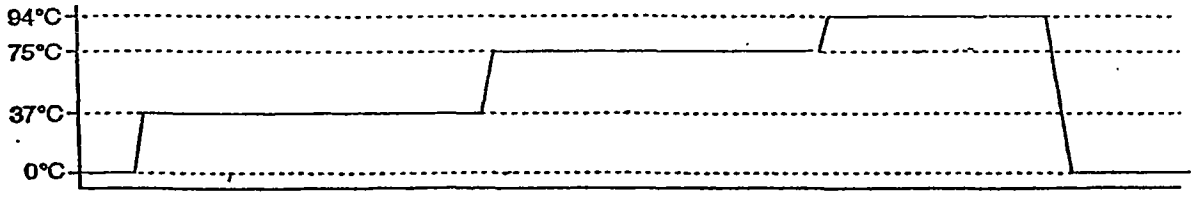



**FIGURE 2**




Tubes shifted to 37°C
Cell walls removed with mesophilic enzymes. Thermophilic proteinases are inactive at this temperature, therefore do not degrade cell-wall enzymes.

Tubes shifted to 75°C
Cells lyse, proteins and cell-wall enzymes are digested by the thermophilic proteinases.

Tubes shifted to 94°C
Proteinase self-digests