

## Conditioning of GC capillary columns

One of the most recurring questions concerns the proper conditioning of the GC columns, so following you will find our recommendations for proper conditioning:

1. Install the column in the injector but do not connect it to the detector, leaving the other end "open" inside the oven.
2. Establish a carrier gas flow at the value described in your method and set the oven temperature to 40°C, keeping it for 15 minutes.
3. Program a temperature gradient of 10°C / min until reaching a maximum temperature of 20°C higher than that described in your method (or, at most, 20°C below the maximum temperature defined by the manufacturer for your column).
4. If your column has been pre-conditioned at the factory, maintain this temperature for 2 hours. Otherwise, let it condition throughout the night (10 to 12 hours).

### Attention!

Never forget that a column subject to high temperatures without carrier gas will suffer irreversible damage. Before conditioning, check that the gas cylinder is not empty, that the carrier gas flow is adequate and that there are no leaks. Also, if your column is a conventional polyethylene glycol column ("WAX" type), always use oxygen traps.