

INTERNAL ELECTROLYTE REFERENCE ELECTRODE (IELREF) (RE-)FILLING AND MAINTENANCE

The IELREF electrode is used when no chloride ions are allowed or soluble in the mobile phase:

- * low pH (< 3)
- * non aqueous mobile phase
- * Au electrode

(RE-)FILLING THE ELECTRODE

- pull off the electrode body from the glass tube as shown in fig.
- fill the glass tube for 2/3 with electrolyte:
 - KCl in water for aqueous mobile phase
 - LiCl in isopropanol for non-aqueous mobile phase
- replace the electrode body

REPLACING THE ISREF (STANDARD REF) BY THE IELREF

- loosen the black swivel nut of the ref. electrode (ref. OPERATION GUIDE, fig. 1 nr 8)
- take out the ISREF
- mount the IELREF making use of the same silicon/PTFE-seal and swivel nut as used for the ISREF

MAINTENANCE

If the electrode is not to be used for a short period of time ($< \text{week}$), make sure that the flow cell remains filled with liquid (mobile phase) or place the electrode in a small beaker with water (or methanol for IELREF with LiCl in isopropanol) seal beaker with parafilm.

If the electrode is not to be used for a longer period of time ($> \text{week}$), empty the electrode. Rinse it with water and store it dry.

