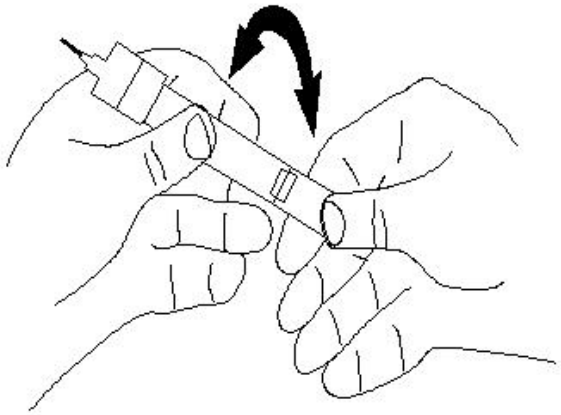
ionode
good chemistry

18 Walker Street,
Tennyson QLD 4105
AUSTRALIA

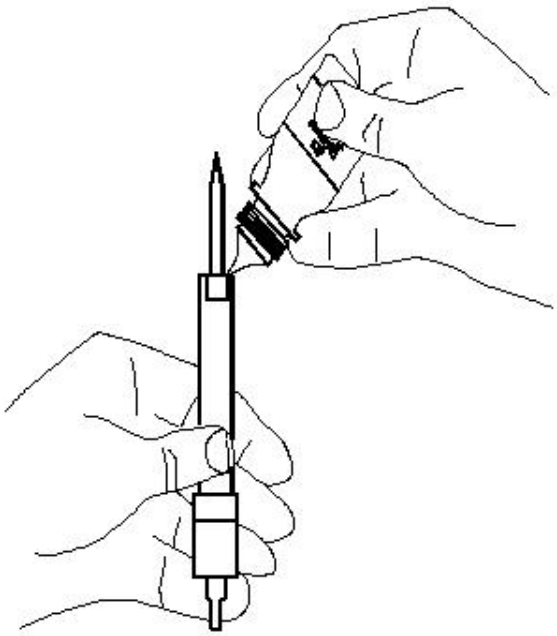
T.+617 3848 1660
F.+617 3848 1428

IJ SERIES GUIDE

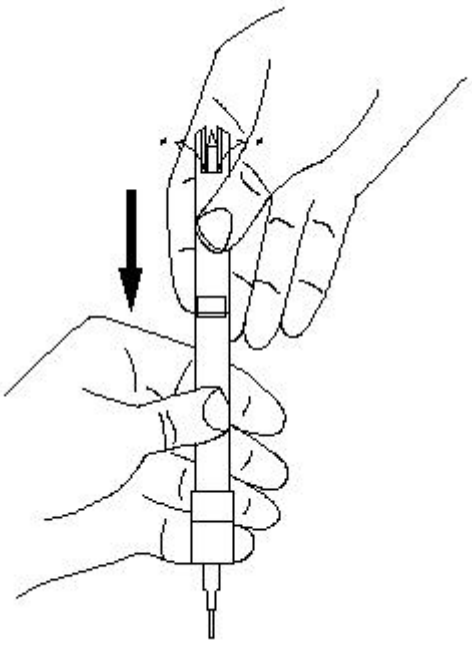
The electrode body is split across the middle with the lower section being removable. The upper section houses the Ag/AgCl reference half cell. The lower section contains the salt bridge between the reference half cell and the sample. The reference half cell is permanent. The salt bridge can be easily renewed by removing the sleeve, cleaning the ground glass contact zone, filling the well with electrolyte and replacing the sleeve. Replacing the sleeve displaces the electrolyte up the sleeve and out the end.



1. Twist sleeve and remove.



2. Fill well with gel.



3. Replace sleeve. Gel is forced out top of electrode just below the sensor.

A bottle of gel electrolyte is supplied with each IJ electrode, which allows for about 20-30 fillings. Each filling can last as long as a month between renewal depending on usage. Alternative liquid electrolytes can be prepared by the user, although the time between renewal will not be as long as with the gel. The IJ reference system is available in the IJ44 pH electrode, IJ64 and IJAu Redox electrodes, the IJ14 Ag/AgCl Double Junction Reference half cell and the IJAg silver billet electrode.

The IJ Ag is supplied with 10% potassium nitrate solution instead of the standard reference gel electrolyte.