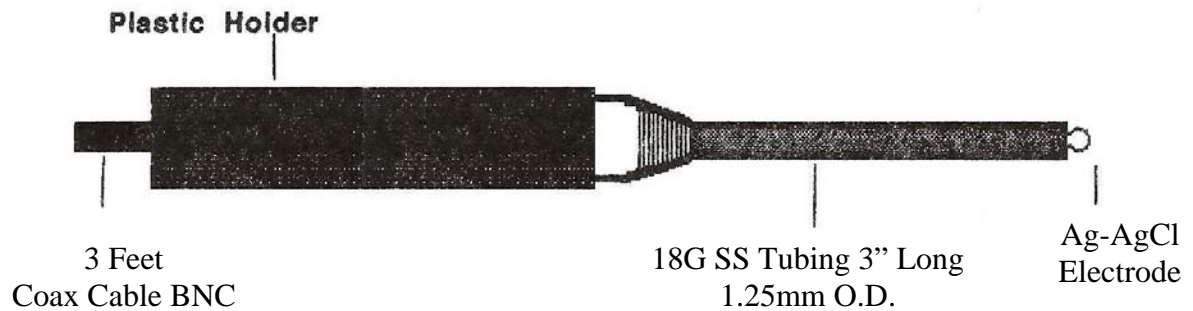


## IC-2001: Conductivity Electrode in 18G Stainless Tube



### Calibration and Use:

1. Connect Conductivity electrode to the BNC connector of an Epithelial Volt-ohm-meter (EVOM).
2. Generate the calibration curve for the electrode by using two solutions of known conductivities.

### Characteristics:

1. This electrode consists of a pair of electrodes in 18 Gauge stainless steel tubing.
2. Each electrode contains a Ag-AgCl sphere for measuring voltage and stainless steel tubing for passing current.
3. The resistance of a solution or cell culture is calculated by using  $V=iR$ , where  $i$  is the current injected,  $V$  is the voltage measured, and  $R$  is the resistance; hence conductivity equals the inverse of  $R$ .

### Maintenance:

After each use, rinse the Ag-AgCl tip in distilled water and store dry.