

# pH/ISE Electrodes

## Low Maintenance, Gel-Filled Combination pH Electrodes

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Most gel-filled electrodes utilize a wick or diffusion style junction. These junctions allow the sample to diffuse in and the reference gel to diffuse out, causing a shift in potential. Some samples also react with the silver ion in the gel, which forms a precipitate. Both of these processes will cause clogging of the junction, as seen by slower and less accurate response over time.

Beckman Coulter gel-filled combination electrodes have a special micropore junction that provides better performance compared to traditional gel-filled electrodes. The micropore junction consists of several small pores in the actual body of the electrode. This micropore junction is wiped clean each time the electrode is rinsed. There is direct contact between the sample and the gel, thus resulting in faster and more accurate readings. Additionally, this allows the electrode to be stored dry and eliminates the need for a special storage solution.

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### FUTURA™ Gel-Filled Standard Combination pH Electrode

Rugged, standard-length, gel-filled combination electrode with micropore junction. The epoxy body protects the bulb and reduces the possibility of breakage.

Appropriate FUTURA Cable is required.

Part Number	pH Range	Temperature Range	Body Material	Reference Filling Solution	Diameter	Length (Total/Usable)
511050	0-14	-5 to 100°C	Epoxy	Not required	12 mm	130/105 mm