

Cole-Parmer® Autoclavable Fermentation pH Electrodes

Get precise readings affordably

- No more clogging—glass body with annular ceramic junction
- Use when you need it—operates from 23 to 266°F (–5 to 130°C)

Order detachable cables separately below to autoclave glass-bodied electrode and vessel as a single unit—simply detach cable and place a protective cap over the cable connector before sterilizing.

1. Double-Junction Glass Electrodes

These electrodes are designed for insertion in Radiometer® mountings or Ingold® nonpressurized assemblies 761-351, 761-31, 761-361, and 761CH-31 (12 mm dia). Sealed, gel-filled, reference electrodes require no refilling, and offer long-term stability and extended service life.

Probe immersion length	Catalog number	Price
Refillable electrodes		
120 mm	GH-05661-25	
150 mm	GH-05661-02	
180 mm	GH-29041-00	
210 mm	GH-05661-04	
250 mm	GH-29041-02	
320 mm	GH-29041-04	
420 mm	GH-29041-06	
Sealed electrodes		
150 mm	GH-05993-95	
180 mm	GH-29041-50	
210 mm	GH-05993-96	
250 mm	GH-29041-52	
320 mm	GH-29041-54	
420 mm	GH-29041-56	

[GH-05661-68](#) Reference filling solution for inner cell of refillable electrodes. High-temperature 3 M KCl gel saturated with AgCl; 125 mL

[GH-05661-70](#) Reference filling solution for outer cell of refillable electrodes. High-temperature 3 M KCl gel; 125 mL

[GH-05661-03](#) Spare protective cap for cable connector

[GH-05983-21](#) DIN connector to female BNC plug

2. Mini Glass Electrodes

Ideal for narrow or crowded culture flasks and fermentors (6 mm dia). Double-junction reference offers stability and extended service life. Sealed, autoclavable.

Probe immersion length	Catalog number	Price
150 mm	GH-05662-15	
180 mm	GH-29044-50	
210 mm	GH-05662-16	

3. Detachable Cables

Plug type	Length	Catalog number	Price
BNC	5 ft (1.5 m)	GH-05661-08	
	10 ft (3 m)	GH-05661-09	
Stripped ends†	5 ft (1.5 m)	GH-29073-00	
	10 ft (3 m)	GH-29073-02	

†Stripped end cables are not for temperature compensated use.

Detachable Cable Adapter

allows you to use a Cole-Parmer detachable-cable type electrode with your Ingold series-K9 cable.

[GH-29040-00](#) Detachable-cable adapter

Cole-Parmer®



Flow-Through pH Cells

Ideal for fermentation applications

- Accurate to ± 0.1 pH units
- Choose 316 stainless steel cell for long-lasting durability

1. Flow-Through Cells

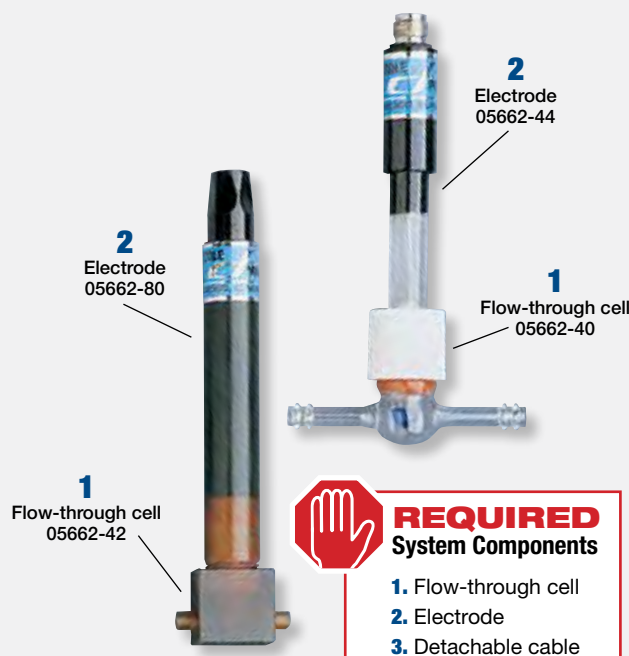
Key	Material	Volume	Tubing connection ID	Catalog number	Price
A	Glass	6000 μ L	7 mm	GH-05662-40	
B	316 SS	6000 μ L	6 mm	GH-05662-42	
C	Glass	800 μ L	3 mm	GH-05662-48	

2. Electrodes for Flow-Through Cells

For flow cell	Combination electrode type	Junction	Auto-clavable	Catalog number	Price
A	Sealed, Ag/AgCl	Double	Yes	GH-05662-44	
	Refillable, Ag/AgCl	Double	Yes	GH-05662-45	
B	Sealed, Ag/AgCl	Double	Yes	GH-05662-80	
	Sealed, Ag/AgCl	Double	Yes	GH-05662-51	
C	Sealed, Ag/AgCl	Double	Yes	GH-05662-51	
	Refillable, Ag/AgCl	Double	Yes	GH-05662-52	

3. Detachable Cables

Plug type	Length	Catalog number	Price
BNC	3 ft (0.9 m)	GH-05662-55	
	10 ft (3 m)	GH-05662-56	



REQUIRED System Components

1. Flow-through cell
2. Electrode
3. Detachable cable