

Electrochemical Cells for Thermo Scientific™ Dionex™ Coulochem™ Detectors

Notice of Discontinuation

Thermo Fisher Scientific will discontinue production of certain HPLC electrochemical cells used with the Coulochem series detectors, on December 31, 2014. These cells were formerly sold under the ESA and Dionex brands. Cells on the discontinued list will be available until current inventories are depleted.

Electrochemical Cells to be Discontinued	
Coulometric Cells	Amperometric Cells *
Model 5010 Standard Analytical Cell	Model 5040 Amperometric Analytical Cell
Model 5010A Improved Analytical Cell	Model 5041 Hi-sensitivity Amperometric Cell
Model 5011 High Sensitivity Analytical Cell	Model 5041A Amperometric Microdialysis Cell
Model 5014B Microdialysis Cell	*Electrode targets (working electrodes) and cell gasket sets will remain available as consumable replacement items.
Model 5030 Electrochemical Cell	
Model 5125 Synthesis Cell	
Model 5150 Synthesis Cell	
Model 6011 Ultra Analytical Cell	

Substitute Cells		
Coulometric cells	Part Number	Replaces
Model 5011A Improved Analytical Cell	70-5561	Models 5010, 5010A, 5014B, 6011
Model 5020 Guard Cell	55-0417	--
Model 5021A Conditioning Cell	70-6068	Models 5021, 5030, 5125, 5150



Important Reminder – as with any new electrochemical cell or electrode purchase, customers are reminded of the importance of running a Hydrodynamic Voltammogram (HDV) before use on an LC system. Refer to your detector operating manual for details on constructing an HDV curve. HDV results will reveal the optimum potential for operating a replacement cell to maximize the detection signal, to minimizing baseline noise and to avoid any possibility of unwanted contributions from interfering compounds.

To order, use the part numbers above and contact your local Thermo Scientific office or distributor nearest you. In the U.S., call (800) 346-6390.

For questions: email Us.customer-support.analyze@thermofisher.com

Thermo
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Product Transition

LC Electrochemical Detector

Unprecedented Simplicity for UHPLC

Thermo Fisher Scientific now offers the benefits of UHPLC to electrochemical detection while maintaining compatibility with HPLC – establishing a new standard for highly sensitive, selective detection.

The Thermo Scientific™ Dionex™ UltiMate™ 3000 Electrochemical detector features the next generation of coulometric and amperometric sensors with SmartChip™ technology for simple, flexible, and maintenance-free operation. The high sensitivity and low noise of the electrochemical detector makes it ideal for the most sensitive and demanding analyses.

This new detector supersedes the Coulochem III Electrochemical detector with advanced capabilities and performance.



- Four independent cell bays – permit optimized fluidic configurations to maximize chromatographic performance
- Plug-and-play electrochemical cells – with both coulometric and amperometric styles available. Interchangeable Glassy carbon, Boron doped diamond and Gold working electrodes are offered for amperometric cells.
- SmartChip™ Intelligence – provides automatic instrument configuration with electrode protection
- Integrated column temperature compartment – provides accurate control of column temperature for reproducible results
- Interchangeable potentiostat modules – select from DC or Pulse mode operation for your analyses

Learn more at thermoscientific.com/ECDetection

Please see reverse side for important information regarding discontinuance of certain cells for use with Coulochem series detectors