

Antec Scientific

Company Description

For over 29 years Antec Scientific has been the world's leading supplier of analytical instrumentation based on electrochemistry (EC). Antec's line of instruments include electrochemical detectors (ECD), analyzers built on high performance liquid chromatography (HPLC) with ECD, and electrochemical reactors for use with mass spectrometry (EC-MS) and for electrochemical synthesis.

Chief Chromatographic Techniques Supported

- HPLC-ECD
- UHPLC-ECD
- Electrochemistry-MS (EC-MS)
- Electrochemical synthesis

Markets Served

For sensitive analysis of carbohydrates in **F&B**, lactose intolerance, etc., high-performance anion exchange chromatography with pulsed amperometric detection is the technique of choice.

The analysis of **antibiotics** according to USP and EP monographs is another market served, alongside the sensitive analysis of **neurotransmitters** in brain microdialysates.

Electrochemistry-MS allows for superior characterization of immunotherapeutics (mAbs) in MS **proteomics**. In drug metabolism EC-MS has been applied for fast prediction of **drug metabolism** including rapid metabolite **synthesis**.

Major Products/Services

DECADE™ Elite Electrochemical Detector

The DECADE™ Elite has become the benchmark in detection and can be used with any third party HPLC system. Different flow cells are available to cover a broad range of applications.

ALEXYS™ Analyzers

They consist of HPLC with ECD and are built for highest performance and ease-in-use. Guaranteed applications have been developed for neurotransmitter, clinical/diagnostics, food/beverage, environmental, and drugs/pharmaceuticals analyses.

ROXY™ EC System for MS and Synthesis

The on-line coupling of EC-MS allows for direct measurement of the generated oxidation or reduction products. Applications range from proteomics, drug



metabolism, to environmental degradation testing including the rapid synthesis of metabolites and degradants.

Facilities

R&D along with production are housed in the Antec Scientific headquarters located in Zoeterwoude, The Netherlands. The facility is dedicated to the continuous development of EC instruments and applications and ensures stringent quality control guidelines. The USA market is directly served by Antec Scientific's subsidiary located in Boston, Massachusetts.



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Website

www.AntecScientific.com

Number of Employees

Europe: 17

Outside of Europe: 3

Year Founded

1990