

# ZipChip

## Cell Culture Analysis

Analysis of amino acids during spent media analysis can provide important metabolic information about the cell culture's health, but it is difficult to do using conventional techniques. Current methods for cell culture media analysis are slow, involve complicated sample preparation (e.g., derivatization), and can be expensive.

### Give your workflow some zip

Cell culture analysis is easy and fast with ZipChip®. Samples are prepared through a simple dilution and there's no labeling or derivatization. Small polar analyte assays take as little as 2 minutes. Add internal standards for full quantitation on a variety of analytes.

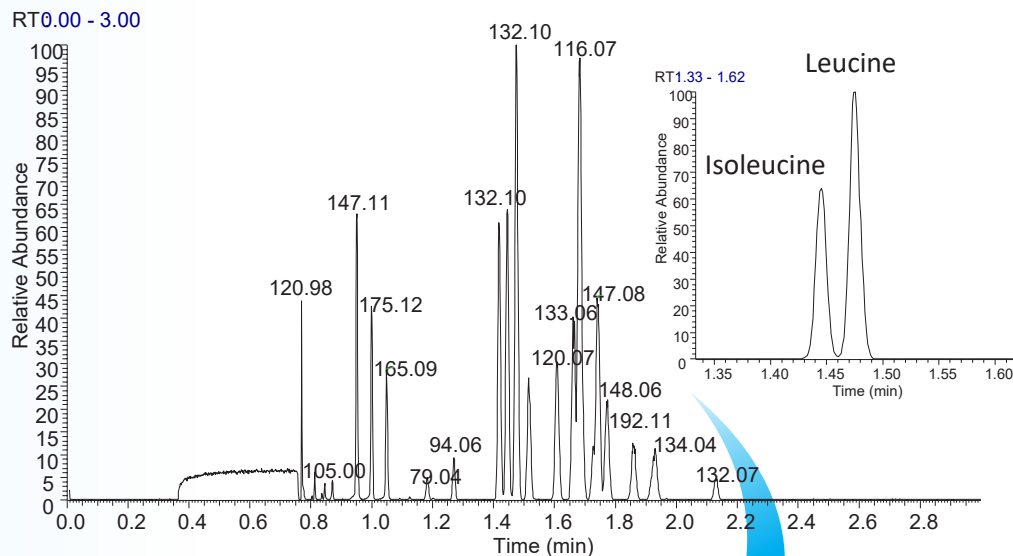
### Get the unfair advantage

When compared to traditional methods for cell culture analysis of antibodies, ZipChip provides the only dilute-and-shoot, label-free analysis that is fast and simple to use.

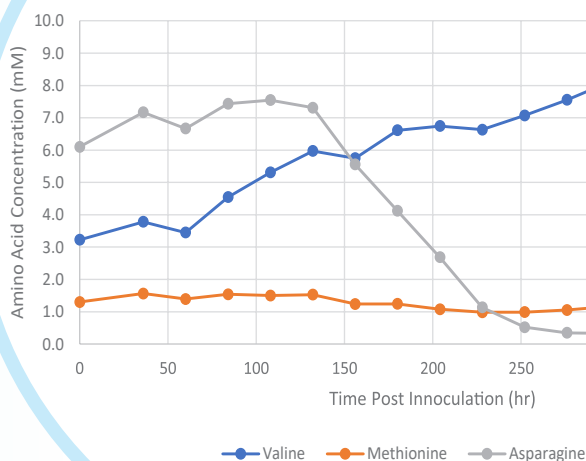
	Simple Sample Prep	Label Free	Fast Analysis
ZipChip	★★★★★	★★★★★	★★★★★
HPLC/UPLC	★	★	★★
LC-MS	★★★	★★★	★★★
GC	★	★	★

### ZipChip separation of spent growth media

The amino acids migrate through the chip in less than 3 minutes. Isomers, such as isoleucine and leucine, are resolved and detected as separate peaks for confident identification and quantitation.



Characterize the components in your growth media, or collect timepoints during cell culture to track nutrient metabolism and optimize growth.



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