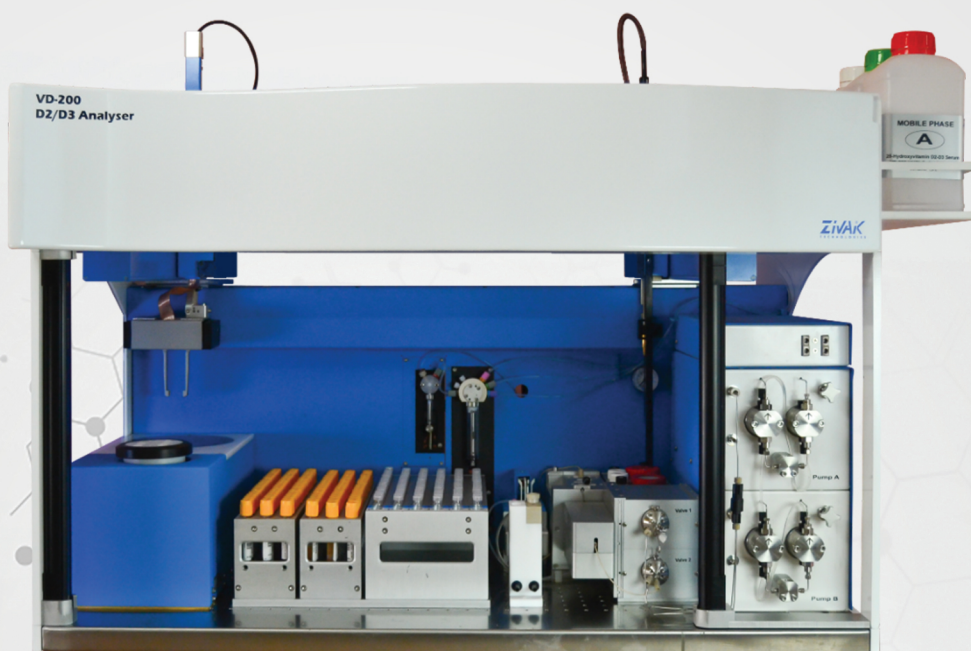


REVOLUTION

WORLD'S FIRST FULLY AUTOMATED VITAMIN D2-D3 UHPLC ANALYZER

Quantitative & Precise & Accurate Results in 6 Minutes

Zivak VD-200



Excellent results with high sensitivity UV detector

Switch to VD-200 and free your expensive MS/MS system for analyses which have to be run on a MS/MS system and lower your cost of analysis

- Barcode reading
- Reagent adding
- Centrifugation
- Automated calculation and reporting
- Sample transferring
- Vortex mixing
- Direct injection
- Direct data transfer to LIMS

**All steps are carried out without any user intervention.
6 minutes analysis time includes all sample preparation steps,
injection and reporting.**

Table 1: Patient samples inter-assay repeatability results are under %5 RSD for each level

| Injections | 25-OH Vitamin D3 | | 25-OH Vitamin D2 | |
|------------------|------------------|--------------|------------------|--------------|
| | Low Level | High Level | Low Level | High Level |
| 1 | 10.38 | 70.243 | 12.89 | 71.40 |
| 2 | 10.57 | 75.53 | 13.15 | 73.91 |
| 3 | 10.51 | 71.48 | 13.16 | 71.73 |
| Average | 10.49 | 72.42 | 13.07 | 72.35 |
| Std. Dev. | 0.09 | 2.77 | 0.15 | 1.36 |
| %CV | 0.90 | 3.82 | 1.18 | 1.88 |

Table 2: Calibration curve for vitamin D2 and D3

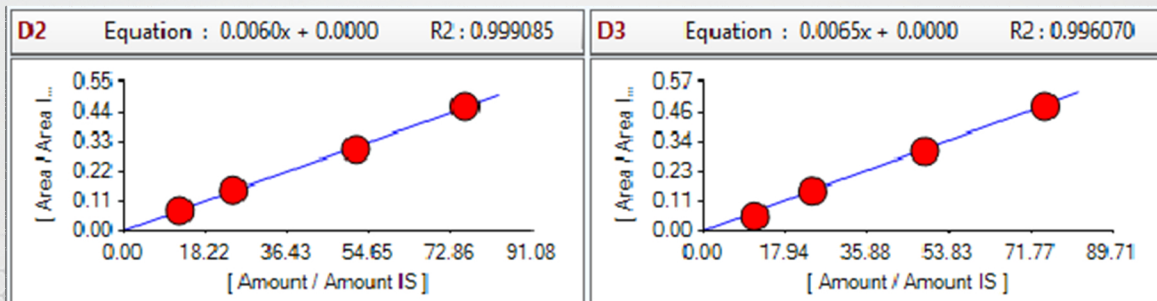


Table 3: Sample chromatogram for Standard Level 4

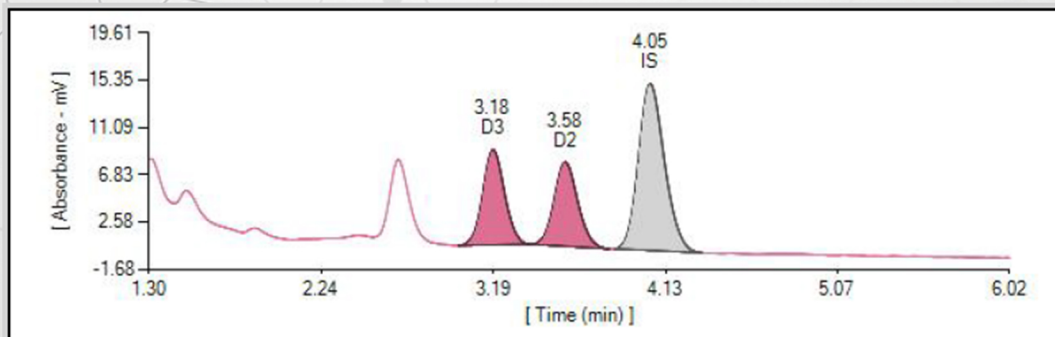


Table 4: Zivak VD-200 and MS/MS comparison in vitamin D2-D3 analysis

