

# ABCA2 Upgrade

The new ABCA2 upgrade offers a reduced run time of <90s per sample with improved chromatography, with no impact on the excellent precision, sensitivity or linearity. The new run time is under half of the 3 min previously possible using a standard instrument.

Instrument upgrades lead to greatly improved productivity and increased sample throughput, all without the need for additional instrumentation. Upgrades are performed onsite with minimal disruption

The ABCA2 is the industry gold standard, high performance, high sample throughput isotope ratio mass spectrometer dedicated to <sup>13</sup>C breath analysis. The outstanding performance and versatility, combined with user friendly software, make the ABCA2 the only choice for <sup>13</sup>C breath tests. Superior performance, high sample throughput and unlimited sample capacity ensure that this is the ultimate instrument for liver and pancreatic function, metabolic turnover, gastric emptying and *Helicobacter Pylori* detection.

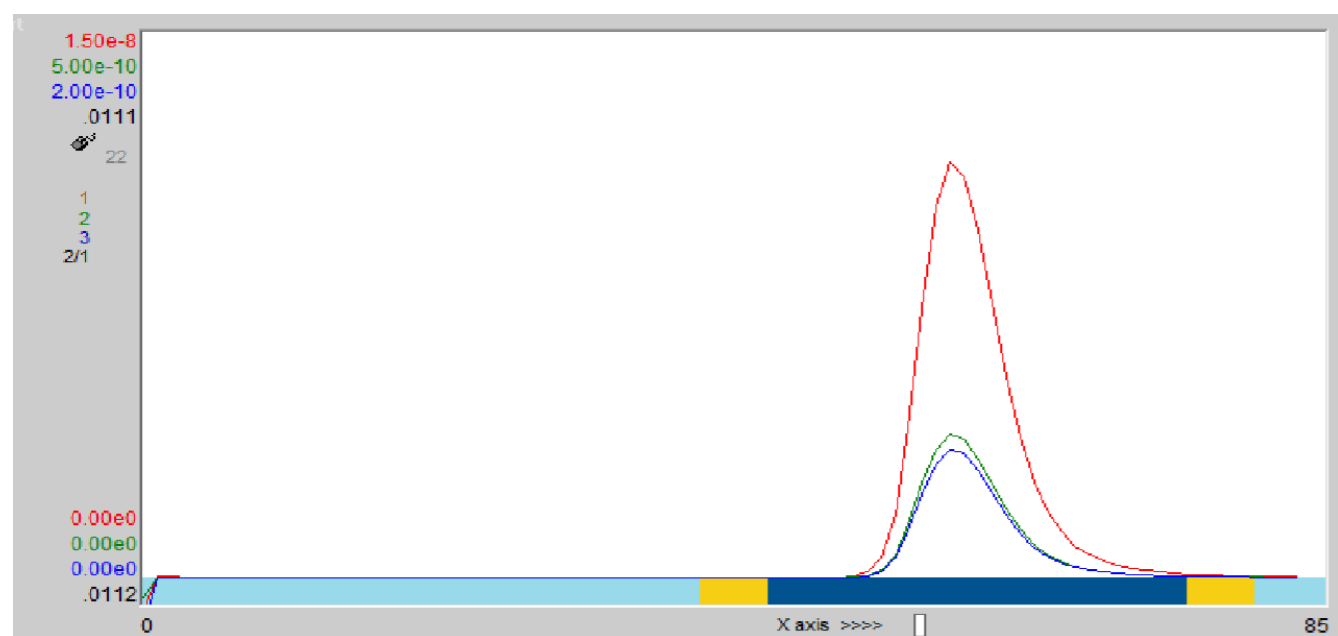


Figure 1. ABCA2 run time of < 90 s

ID	<sup>13</sup> C	<sup>18</sup> O	Beam Area	%CO <sub>2</sub>
Test	-31.19	-17.89	8.52E-08	6.39
Ref	-31.19	-18.00	8.37E-08	6.30
1	-26.48	-0.04	9.16E-08	6.92
2	-26.55	0.31	1.23E-07	9.29
3	-26.63	0.32	1.21E-07	9.24
4	-26.56	0.41	1.19E-07	9.08
5	-26.61	0.34	1.18E-07	9.03
Test	-31.16	-17.90	8.14E-08	6.25
Ref	-31.19	-18.00	8.17E-08	6.30

<sup>13</sup>C STDEV 0.05

Table 1. Precision on 5 breath samples

