

## Iso-Analytical Laboratory Report

### Client Details

Name: Your Company  
Contact(s): Your Name

### Sample Details

Number: 24 (12 patients)  
Material:  $^{13}\text{C}$ -UBT Sample Tubes

### Sample Tracking

IA Reference No.: Our LIMS Code  
Date of Arrival: 31st May 2007

### Analysis Details

Isotope:  $\delta^{13}\text{C}$   
Method: CF-IRMS  
Report Date: 1st June 2007

Patient I.D.	D.O.B.	Pre-Dose $\delta^{13}\text{C}_{\text{V-PDB}}$ (‰)	Post-Dose $\delta^{13}\text{C}_{\text{V-PDB}}$ (‰)	Difference Post - Pre (‰)
Female A	04.10.75	-27.31	-26.76	0.55
<b>Female B</b>	<b>18.07.50</b>	<b>-27.40</b>	<b>-3.72</b>	<b>23.68</b>
Female C	10.06.70	-26.45	-25.81	0.64
Female D	10.11.64	-25.04	-24.37	0.67
<b>Female E</b>	<b>14.06.55</b>	<b>-24.72</b>	<b>-5.71</b>	<b>19.01</b>
Female F	04.03.80	-26.47	-25.84	0.62
Female G	17.03.81	-26.33	-25.76	0.57
Female H	11.01.84	-26.14	-25.60	0.54
Male A	29.01.88	-25.51	-25.14	0.37
Male B	28.07.89	-26.01	-25.83	0.18
Male C	02.02.84	-23.66	-23.37	0.29
Male D	17.12.96	-25.97	-25.28	0.69

CONT.

Quality Control Check Samples

	IA-CO2-4 (4 % CO2) $\delta^{13}\text{C}_{\text{V-PDB}}$ (‰)	Operator's breath $\delta^{13}\text{C}_{\text{V-PDB}}$ (‰)
	-35.49	-22.78
	-35.68	-22.95
	-35.59	
	-35.60	
	-35.56	
Mean	-35.58	-22.86
St. Dev.	0.07	0.12
N	5	2
Accepted Value	-35.56	within expected range

The breath samples were analysed by continuous flow - isotope ratio mass spectrometry. The reference gas against which samples were analysed was 4 % CO2 in a helium balance with  $\delta^{13}\text{C}_{\text{V-PDB}}$  value = -35.56 ‰. This reference gas has been calibrated against NBS19 ( $\delta^{13}\text{C}_{\text{V-PDB}}$  = +1.95 ‰) which is distributed as an isotope reference standard by the International Atomic Energy Agency, Vienna.

The remaining untested duplicate sample tubes will be stored at Iso-Analytical Limited and returned to you upon request. If you require any further information, please do not hesitate to contact us.

Analysed & Reported by:

Checked by:

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