

Attachment 3

Laboratory Assessments Update 2018

Chemical / Metabolite Name	Matrix	Lab	Vessel (s)	03-04	05-06	07-08	09-10	11-12	13-14	15-16	17-18	Branch	Lab Contact
Fat-Soluble Vitamins and Micronutrients													
Vitamin A	serum	54	15		•	d					•	NBB	Schleicher
Vitamin E	serum	54	15		•	d					•	NBB	Schleicher
Retinyl palmitate	serum	54	15		•	d					•	NBB	Schleicher
Retinyl stearate	serum	54	15		•	d					•	NBB	Schleicher
<i>gamma</i> -Tocopherol	serum	54	15		•	d					•	NBB	Schleicher
<i>delta</i> -Tocopherol	serum	54	15								•	NBB	Schleicher
<i>alpha</i> -carotene	serum	54	15		•	d					•	NBB	Schleicher
<i>trans-beta</i> -Carotene	serum	54	15		•	d					•	NBB	Schleicher
<i>cis-beta</i> -Carotene	serum	54	15		•	d					•	NBB	Schleicher
<i>alpha</i> -Cryptoxanthin	serum	54	15								•	NBB	Schleicher
<i>beta</i> -Cryptoxanthin	serum	54	15		•	d					•	NBB	Schleicher
Lutein/zeaxanthin combined or measured and reported as separate analytes	serum	54	15		•	d					•	NBB	Schleicher
<i>trans</i> -Lycopene	serum	54	15		•	d					•	NBB	Schleicher
Total lycopene	serum	54	15		•	d					•	NBB	Schleicher
25-OH Vitamin D (D2 + D3)	serum	54	70	•	•	•	•	•	•	•	•	NBB	Schleicher
25-OH Vitamin D2	serum	54	70			•	•	•	•	•	•	NBB	Schleicher
25-OH Vitamin D3	serum	54	70			•	•	•	•	•	•	NBB	Schleicher
epimer-25-OH Vitamin D3	serum	54	70			•	•	•	•	•	•	NBB	Schleicher