| Number | Venous T0 | Capillary T72 | Actual difference | Bias (%) |
|--------|------------|---------------|------------------|----------|
| 1.0    | 5.4        | 5.6           | 0.2              | 4.1      |
| 2.0    | 4.4        | 4.5           | 0.1              | 2.7      |
| 3.0    | 5.9        | 6.1           | 0.3              | 4.4      |
| 4.0    | 4.6        | 5.3           | 0.7              | 14.9     |
| 5.0    | 5.1        | 5.4           | 0.3              | 6.5      |
| 6.0    | 5.4        | 5.9           | 0.6              | 10.2     |
| 7.0    | 6.1        | 6.2           | 0.1              | 1.8      |
| 8.0    | 5.8        | 6.1           | 0.4              | 6.4      |
| 9.0    | 3.4        | 3.7           | 0.3              | 8.2      |
| 10.0   | 4.9        | 5.4           | 0.5              | 10.9     |
| 11.0   | 5.6        | 6.0           | 0.4              | 6.8      |
| 12.0   | 6.3        | 6.6           | 0.3              | 4.6      |
| 13.0   | 4.3        | 4.4           | 0.1              | 2.8      |
| 14.0   | 4.2        | 4.7           | 0.6              | 13.4     |
| 15.0   | 7.3        | 7.6           | 0.3              | 3.8      |
| 16.0   | 5.3        | 5.5           | 0.2              | 4.5      |
| 17.0   | 5.8        | 6.1           | 0.3              | 4.3      |
| 18.0   | 4.2        | 4.9           | 0.8              | 18.5     |
| 19.0   | 4.8        | 5.3           | 0.5              | 10.4     |
| 20.0   | 4.1        | 4.4           | 0.3              | 7.6      |

| n      | 20.0  | 20.0  |
|--------|------|------|
| Mean   | 5.1  | 5.5  |
| SD     | 0.9  | 0.9  |
| Lower 95% CI | 3.3  | 3.7  |
| Upper 95% CI | 7.0  | 7.3  |

Supplementary file 2a. Raw data for venous and capillary total cholesterol results.
TC = total cholesterol
| Number | TRIG (mmol/L) Venous T0 | TRIG (mmol/L) Capillary T72 | Actual difference (mmol/L) | Bias (%) |
|--------|------------------------|-----------------------------|----------------------------|----------|
| 1.0    | 1.0                    | 0.9                         | -0.2                       | -16.7    |
| 2.0    | 0.9                    | 0.7                         | -0.2                       | -22.3    |
| 3.0    | 0.9                    | 0.9                         | 0.0                        | -4.3     |
| 4.0    | 1.0                    | 1.2                         | 0.2                        | 16.2     |
| 5.0    | 2.3                    | 2.1                         | -0.2                       | -9.7     |
| 6.0    | 5.9                    | 5.8                         | 0.0                        | -0.3     |
| 7.0    | 0.9                    | 0.8                         | -0.1                       | -14.4    |
| 8.0    | 1.1                    | 0.9                         | -0.2                       | -16.4    |
| 9.0    | 0.8                    | 0.8                         | -0.1                       | -9.5     |
| 10.0   | 0.9                    | 0.9                         | -0.1                       | -9.6     |
| 11.0   | 0.8                    | 0.7                         | -0.1                       | -12.0    |
| 12.0   | 0.6                    | 0.7                         | 0.1                        | 19.6     |
| 13.0   | 0.8                    | 0.5                         | -0.2                       | -28.0    |
| 14.0   | 1.2                    | 1.0                         | -0.2                       | -15.8    |
| 15.0   | 3.5                    | 3.1                         | -0.4                       | -11.9    |
| 16.0   | 1.0                    | 1.3                         | 0.3                        | 28.2     |
| 17.0   | 0.7                    | 0.9                         | 0.3                        | 37.9     |
| 18.0   | 0.8                    | 0.9                         | 0.0                        | 2.4      |

n 18.0 18.0 18.0 18.0
Mean 1.4 1.3 -0.1 -3.7
SD 1.3 1.3 0.2 18.0
Lower 95% CI -1.2 -1.2 -0.4 -39.0
Upper 95% CI 4.0 3.8 0.3 31.5

Supplementary file 2b. Raw data for venous and capillary triglyceride results.
TRIG = triglyceride
| Number | Venous T0 (mmol/L) | Capillary T72 (mmol/L) | Actual difference (mmol/L) | Bias (%) |
|--------|-------------------|------------------------|-----------------------------|----------|
| 1.0    | 2.1               | 2.4                    | 0.3                         | 13.4     |
| 2.0    | 2.0               | 2.3                    | 0.3                         | 14.8     |
| 3.0    | 1.6               | 1.8                    | 0.2                         | 14.1     |
| 4.0    | 1.8               | 2.0                    | 0.2                         | 12.6     |
| 5.0    | 1.1               | 1.3                    | 0.2                         | 16.7     |
| 6.0    | 0.8               | 0.9                    | 0.1                         | 13.2     |
| 7.0    | 2.0               | 2.3                    | 0.3                         | 14.2     |
| 8.0    | 0.9               | 1.1                    | 0.2                         | 20.5     |
| 9.0    | 1.7               | 2.0                    | 0.3                         | 17.5     |
| 10.0   | 2.1               | 2.3                    | 0.2                         | 11.0     |
| 11.0   | 1.7               | 1.9                    | 0.2                         | 11.0     |
| 12.0   | 2.2               | 2.3                    | 0.1                         | 2.5      |
| 13.0   | 1.3               | 1.5                    | 0.2                         | 17.5     |
| 14.0   | 3.6               | 4.1                    | 0.4                         | 12.2     |
| 15.0   | 1.3               | 1.5                    | 0.2                         | 19.4     |
| 16.0   | 1.0               | 1.0                    | 0.1                         | 6.0      |
| 17.0   | 1.4               | 1.8                    | 0.4                         | 28.4     |
| 18.0   | 1.6               | 1.8                    | 0.3                         | 16.9     |
| 19.0   | 1.2               | 1.3                    | 0.1                         | 10.7     |

| n     | 19.0 | 19.0 | 19.0 | 19.0 |
| Mean  | 1.7  | 1.9  | 0.2  | 14.4 |
| SD    | 0.7  | 0.7  | 0.1  | 7.9  |
| Lower 95% CI | 0.3  | 0.5  | 0.0  | -1.1 |
| Upper 95% CI | 3.0  | 3.3  | 0.4  | 29.9 |

**Supplementary file 2c. Raw data for venous and capillary HDL results.**

HDL = high-density lipoprotein
| Number | LDL (mmol/L) Venous T0 | LDL (mmol/L) Capillary T72 | Actual difference (mmol/L) | Bias (%) |
|--------|------------------------|----------------------------|---------------------------|----------|
| 1.0    | 2.9                    | 2.9                        | 0.0                       | 0.6      |
| 2.0    | 1.9                    | 1.9                        | -0.1                      | -4.4     |
| 3.0    | 3.9                    | 3.9                        | 0.1                       | 1.5      |
| 4.0    | 2.4                    | 2.8                        | 0.4                       | 16.3     |
| 5.0    | 3.0                    | 3.2                        | 0.2                       | 8.3      |
| 6.0    | 1.9                    | 2.4                        | 0.5                       | 23.4     |
| 7.0    | 3.3                    | 3.5                        | 0.1                       | 4.2      |
| 8.0    | 2.0                    | 2.1                        | 0.2                       | 8.5      |
| 9.0    | 2.8                    | 3.1                        | 0.3                       | 9.7      |
| 10.0   | 3.1                    | 3.3                        | 0.2                       | 6.2      |
| 11.0   | 1.7                    | 1.8                        | 0.1                       | 6.6      |
| 12.0   | 2.6                    | 2.9                        | 0.3                       | 10.8     |
| 13.0   | 3.3                    | 3.2                        | -0.1                      | -2.1     |
| 14.0   | 3.5                    | 3.5                        | 0.1                       | 2.3      |
| 15.0   | 3.2                    | 3.6                        | 0.4                       | 11.8     |
| 16.0   | 2.3                    | 2.5                        | 0.2                       | 10.4     |
| 17.0   | 2.9                    | 3.1                        | 0.1                       | 4.1      |
| 18.0   | 2.5                    | 2.7                        | 0.2                       | 6.9      |

|       | n          | Mean | SD   | Lower 95% CI | Upper 95% CI |
|-------|------------|------|------|--------------|--------------|
|       | 18.0       | 2.7  | 0.7  | 1.4          | 4.1          |

**Supplementary file 2d. Raw data for venous and capillary LDL results.**

LDL = low-density lipoprotein
| Number | Bilirubin (umol/L) Venous T0 | Bilirubin (umol/L) Capillary T72 | Actual difference (umol/L) | Bias (%) |
|--------|-----------------------------|---------------------------------|---------------------------|----------|
| 1.0    | 6.1                         | 5.7                             | -0.4                      | -6.4     |
| 2.0    | 6.6                         | 6.2                             | -0.3                      | -5.0     |
| 3.0    | 8.1                         | 7.7                             | -0.4                      | -4.8     |
| 4.0    | 6.6                         | 6.2                             | -0.4                      | -5.0     |
| 5.0    | 6.9                         | 6.1                             | -0.3                      | -11.2    |
| 6.0    | 8.8                         | 9.2                             | -0.8                      | 4.2      |
| 7.0    | 8.1                         | 6.2                             | 0.4                       | -23.5    |
| 8.0    | 7.3                         | 7.2                             | -1.9                      | -1.9     |
| 9.0    | 7.0                         | 7.0                             | 0.4                       | -0.7     |
| 10.0   | 19.3                        | 18.9                            | -0.4                      | -2.2     |
| 11.0   | 10.5                        | 11.2                            | 0.6                       | 6.1      |
| 12.0   | 10.9                        | 11.6                            | 1.2                       | 6.9      |
| 13.0   | 13.7                        | 13.0                            | -0.7                      | -5.2     |
| 14.0   | 9.6                         | 9.5                             | -0.1                      | -0.9     |
| 15.0   | 9.1                         | 9.3                             | 1.0                       | 2.5      |
| 16.0   | 5.5                         | 5.9                             | -1.9                      | 6.4      |
| 17.0   | 11.7                        | 12.2                            | 0.6                       | 4.7      |
| 18.0   | 6.8                         | 3.2                             | -3.6                      | -12.6    |
| 19.0   | 21.4                        | 22.4                            | -0.1                      | 4.7      |
| 20.0   | 23.4                        | 23.1                            | 0.0                       | -1.3     |

|            | n                           | Mean   | SD     | Lower 95% CI | Upper 95% CI |
|------------|-----------------------------|--------|--------|--------------|--------------|
|            | 20.0                        | 20.0   | 20.0   | 20.0         | 20.0         |
| Mean       | 10.5                        | 10.1   | 0.3    | -3.7         | -37.4        |
| SD         | 5.2                         | 5.4    | 1.4    | 17.2         |              |
| Lower 95% CI| 0.3                        | -0.5   | -2.4   | -37.4        |              |
| Upper 95% CI| 20.7                       | 20.7   | 3.0    | 30.0         |              |

Supplementary file 2e. Raw data for venous and capillary bilirubin results.
| Number | ALT (U/L) Venous T0 | ALT (U/L) Capillary T72 | Actual difference (U/L) | Bias (%) |
|--------|---------------------|-------------------------|-------------------------|----------|
| 1.0    | 15.1                | 11.5                    | -3.6                    | -23.7    |
| 2.0    | 11.0                | 8.9                     | -2.1                    | -18.9    |
| 3.0    | 27.9                | 23.3                    | -4.6                    | -16.4    |
| 4.0    | 19.2                | 16.7                    | -2.4                    | -12.7    |
| 5.0    | 55.8                | 53.9                    | -1.9                    | -3.4     |
| 6.0    | 35.5                | 32.2                    | -3.3                    | -9.3     |
| 8.0    | 26.8                | 24.9                    | -1.9                    | -7.1     |
| 9.0    | 55.1                | 49.1                    | -6.0                    | -10.9    |
| 10.0   | 19.8                | 16.9                    | -2.9                    | -14.8    |
| 11.0   | 13.9                | 12.1                    | -1.8                    | -13.2    |
| 12.0   | 15.7                | 10.8                    | -4.9                    | -31.3    |
| 13.0   | 19.0                | 11.8                    | -7.2                    | -37.8    |
| 14.0   | 42.0                | 40.8                    | -1.2                    | -2.9     |
| 15.0   | 20.5                | 18.8                    | -1.7                    | -8.1     |
| 16.0   | 14.6                | 12.1                    | -2.5                    | -17.3    |
| 17.0   | 66.7                | 59.9                    | -6.8                    | -10.2    |
| 18.0   | 43.1                | 49.7                    | 6.6                     | 15.1     |
| 19.0   | 18.1                | 13.3                    | -4.8                    | -26.5    |
| 20.0   | 45.7                | 43.3                    | -2.4                    | -5.3     |

|     | n      | Mean  | SD    | Lower 95% CI | Upper 95% CI |
|-----|--------|-------|-------|--------------|--------------|
|     | 19.0   | 19.0  | 19.0  | 19.0         | 19.0         |
|     | 29.8   | 26.8  | -2.9  | -3.2         | 16.4         |
|     | 16.8   | 17.1  | 2.9   | 16.4         | 16.4         |
|     | -3.3   | -6.7  | -8.6  | -35.3        | 28.9         |

Supplementary file 2f. Raw data for venous and capillary alanine transaminase results.
ALT = alanine transaminase
| Number | AST (U/L) | AST (U/L) | Actual difference | Bias (%) |
|--------|-----------|-----------|-------------------|----------|
|        | Venous T0 | Capillary T72 | (U/L) |          |
| 1.0    | 25.7      | 30.8      | 5.1    | 19.7     |
| 2.0    | 25.2      | 25.1      | 0.0    | -0.2     |
| 3.0    | 33.4      | 34.9      | 1.5    | 4.4      |
| 4.0    | 27.3      | 39.5      | 12.2   | 44.5     |
| 5.0    | 43.2      | 53.0      | 9.8    | 22.7     |
| 6.0    | 32.5      | 38.9      | 6.5    | 19.9     |
| 7.0    | 28.0      | 44.9      | 17.0   | 60.6     |
| 8.0    | 41.2      | 44.3      | 3.1    | 7.4      |
| 9.0    | 43.9      | 47.5      | 3.6    | 8.2      |
| 10.0   | 24.8      | 30.8      | 5.9    | 23.9     |
| 11.0   | 23.8      | 19.3      | -4.5   | -19.0    |
| 12.0   | 24.9      | 31.3      | 6.4    | 25.7     |
| 13.0   | 28.4      | 39.8      | 11.4   | 40.2     |
| 14.0   | 30.8      | 37.6      | 6.8    | 22.0     |
| 15.0   | 30.8      | 30.3      | -0.5   | -1.8     |
| 16.0   | 30.8      | 33.9      | 3.1    | 10.2     |
| 17.0   | 37.8      | 38.7      | 0.9    | 2.4      |
| 19.0   | 28.9      | 31.0      | 2.1    | 7.1      |
| 20.0   | 46.5      | 51.9      | 5.3    | 11.4     |

n | Mean | SD | Lower 95% CI | Upper 95% CI |
|-----|-----|---|-------------|-------------|
| 19.0| 19.0| 19.0| 19.0        |             |
| 32.0| 37.0| 5.0 | 16.3        |             |
| 7.1 | 8.8 | 5.1 | 18.3        |             |
| 18.0| 19.8| -4.9| -19.6       |             |
| 46.0| 54.2| 14.9| 52.2        |             |

Supplementary file 2g. Raw data for venous and capillary aspartate transaminase results.
AST = aspartate transaminase
| Number | ALP (U/L) Venous T0 | ALP (U/L) Capillary T72 | Actual difference (U/L) | Bias (%) |
|--------|---------------------|-------------------------|--------------------------|----------|
| 1.0    | 55.6                | 44.1                    | -11.4                    | -20.6    |
| 2.0    | 34.1                | 33.2                    | -0.9                     | -2.5     |
| 3.0    | 43.0                | 39.2                    | -3.8                     | -8.8     |
| 4.0    | 40.9                | 36.1                    | -4.8                     | -11.8    |
| 5.0    | 83.4                | 70.4                    | -13.0                    | -15.6    |
| 6.0    | 90.8                | 85.3                    | -5.5                     | -6.1     |
| 8.0    | 44.3                | 40.3                    | -4.0                     | -9.1     |
| 9.0    | 69.2                | 58.6                    | -10.7                    | -15.4    |
| 10.0   | 47.4                | 40.2                    | -7.2                     | -15.3    |
| 11.0   | 24.3                | 23.0                    | -1.4                     | -5.7     |
| 12.0   | 44.6                | 34.6                    | -10.0                    | -22.4    |
| 13.0   | 66.2                | 56.2                    | -10.1                    | -15.2    |
| 14.0   | 72.3                | 65.6                    | -6.7                     | -9.3     |
| 15.0   | 69.7                | 58.2                    | -11.4                    | -16.4    |
| 16.0   | 50.6                | 40.5                    | -10.1                    | -19.9    |
| 17.0   | 76.4                | 63.7                    | -12.6                    | -16.6    |
| 18.0   | 68.6                | 65.0                    | -3.5                     | -5.1     |
| 19.0   | 48.3                | 46.1                    | -2.2                     | -4.6     |
| 20.0   | 66.0                | 62.2                    | -3.8                     | -5.7     |

Supplementary file 2h. Raw data for venous and capillary alkaline phosphatase results.

ALP = alkaline phosphatase
| Number | GGT (U/L) Venous T0 | GGT (U/L) Capillary T72 | Actual difference (U/L) | Bias (%) |
|--------|---------------------|-------------------------|-------------------------|----------|
| 1.0    | 11.0                | 12.1                    | 1.2                     | 10.7     |
| 2.0    | 27.8                | 28.3                    | 0.5                     | 1.7      |
| 3.0    | 18.8                | 19.0                    | 0.2                     | 1.0      |
| 4.0    | 12.3                | 12.0                    | -0.3                    | -2.5     |
| 5.0    | 30.8                | 31.2                    | 0.3                     | 1.0      |
| 6.0    | 26.7                | 28.2                    | 1.5                     | 5.5      |
| 8.0    | 17.9                | 17.5                    | -0.4                    | -2.3     |
| 9.0    | 20.5                | 20.3                    | -0.2                    | -1.2     |
| 10.0   | 17.8                | 18.4                    | 0.7                     | 3.8      |
| 11.0   | 10.9                | 9.3                     | -1.6                    | -14.4    |
| 12.0   | 11.5                | 13.6                    | 2.1                     | 17.9     |
| 13.0   | 14.4                | 13.6                    | -0.7                    | -5.1     |
| 14.0   | 16.8                | 17.4                    | 0.6                     | 3.4      |
| 15.0   | 28.2                | 28.7                    | 0.5                     | 1.6      |
| 16.0   | 13.8                | 14.5                    | 0.7                     | 5.1      |
| 17.0   | 39.6                | 39.7                    | 0.0                     | 0.1      |
| 18.0   | 112.9               | 121.5                   | 8.6                     | 7.6      |
| 19.0   | 14.3                | 14.2                    | -0.1                    | -0.7     |
| 20.0   | 15.0                | 14.6                    | -0.4                    | -2.7     |

| n      | 19.0                | 19.0                    | 19.0                    | 19.0     |
| Mean   | 24.3                | 24.9                    | 0.7                     | 1.6      |
| SD     | 21.9                | 24.7                    | 2.1                     | 16.2     |
| Lower 95% CI | -18.7 | -23.5 | -3.4 | -30.2 |
| Upper 95% CI | 67.2 | 73.4 | 4.8 | 33.4 |

Supplementary file 2i. Raw data for venous and capillary GGT results.
GGT = gamma glutamyl transferase
| Number | Albumin (g/L) Venous T0 | Albumin (g/L) Capillary T72 | Actual difference (g/L) | Bias (%) |
|--------|-------------------------|----------------------------|-------------------------|---------|
| 1.0    | 42.1                    | 45.7                       | 3.6                     | 8.6     |
| 2.0    | 43.7                    | 44.5                       | 0.8                     | 1.9     |
| 3.0    | 46.0                    | 49.3                       | 3.3                     | 7.1     |
| 4.0    | 42.8                    | 46.0                       | 3.2                     | 7.5     |
| 5.0    | 42.0                    | 44.3                       | 2.3                     | 5.6     |
| 6.0    | 46.0                    | 51.1                       | 5.1                     | 11.1    |
| 7.0    | 44.2                    | 51.9                       | 7.7                     | 17.4    |
| 8.0    | 45.4                    | 49.8                       | 4.4                     | 9.6     |
| 9.0    | 41.6                    | 44.9                       | 3.3                     | 7.9     |
| 10.0   | 42.2                    | 47.1                       | 4.9                     | 11.6    |
| 11.0   | 42.2                    | 45.1                       | 3.0                     | 7.1     |
| 12.0   | 43.0                    | 46.4                       | 3.4                     | 7.9     |
| 13.0   | 46.1                    | 48.3                       | 2.2                     | 4.8     |
| 14.0   | 47.3                    | 53.8                       | 6.5                     | 13.8    |
| 15.0   | 49.2                    | 51.3                       | 2.1                     | 4.3     |
| 16.0   | 43.0                    | 46.3                       | 3.3                     | 7.6     |
| 17.0   | 46.8                    | 49.4                       | 2.6                     | 5.5     |
| 18.0   | 43.2                    | 49.0                       | 5.8                     | 13.4    |
| 19.0   | 48.5                    | 53.9                       | 5.4                     | 11.0    |
| 20.0   | 46.9                    | 50.7                       | 3.7                     | 7.9     |

| n      | 19.0                    | 19.0                       | 19.0                    | 19.0    |
| Mean   | 44.7                    | 48.4                       | 3.8                     | 8.6     |
| SD     | 2.4                     | 3.0                        | 1.7                     | 3.7     |
| Lower 95% CI | 40.1 | 42.4 | 0.5 | 1.3 |
| Upper 95% CI | 49.4 | 54.4 | 7.2 | 15.8 |

Supplementary file 2j. Raw data for venous and capillary albumin results.
| Number | HbA1c (mmol/mol) Venous T0 | HbA1c (mmol/mol) Capillary T72 | Actual difference (mmol/mol) | Bias (%) |
|--------|---------------------------|-------------------------------|-------------------------------|----------|
| 1.0    | 36.0                      | 35.0                          | -1.0                          | -2.8     |
| 2.0    | 35.0                      | 35.0                          | 0.0                           | 0.0      |
| 3.0    | 34.0                      | 33.0                          | -1.0                          | -2.9     |
| 4.0    | 34.0                      | 33.0                          | -1.0                          | -2.9     |
| 5.0    | 35.0                      | 35.0                          | 0.0                           | 0.0      |
| 6.0    | 34.0                      | 33.0                          | -1.0                          | -2.9     |
| 7.0    | 36.0                      | 36.0                          | 0.0                           | 0.0      |
| 8.0    | 36.0                      | 35.0                          | -1.0                          | -2.8     |
| 9.0    | 38.0                      | 38.0                          | 0.0                           | 0.0      |
| 10.0   | 38.0                      | 37.0                          | -1.0                          | -2.6     |
| 11.0   | 32.0                      | 31.0                          | -1.0                          | -3.1     |
| 12.0   | 39.0                      | 40.0                          | 1.0                           | 2.6      |
| 13.0   | 31.0                      | 31.0                          | 0.0                           | 0.0      |
| 14.0   | 36.0                      | 36.0                          | 0.0                           | 0.0      |
| 15.0   | 34.0                      | 34.0                          | 0.0                           | 0.0      |
| 16.0   | 37.0                      | 36.0                          | -1.0                          | -2.7     |
| 17.0   | 30.0                      | 29.0                          | -1.0                          | -3.3     |
| 18.0   | 38.0                      | 37.0                          | -1.0                          | -2.6     |
| 19.0   | 39.0                      | 38.0                          | -1.0                          | -2.6     |
| 20.0   | 40.0                      | 40.0                          | 0.0                           | 0.0      |
| 21.0   | 35.0                      | 35.0                          | 0.0                           | 0.0      |
| 22.0   | 38.0                      | 37.0                          | -1.0                          | -2.6     |
| 23.0   | 35.0                      | 35.0                          | 0.0                           | 0.0      |
| 24.0   | 36.0                      | 36.0                          | 0.0                           | 0.0      |
| 25.0   | 36.0                      | 36.0                          | 0.0                           | 0.0      |
| 26.0   | 38.0                      | 36.0                          | -2.0                          | -5.3     |
| 27.0   | 37.0                      | 37.0                          | 0.0                           | 0.0      |
| 28.0   | 41.0                      | 41.0                          | 0.0                           | 0.0      |

n  
Mean 36.0  
SD 2.6  
Lower 95% CI 31.0  
Upper 95% CI 41.0  

Supplementary file 2k. Raw data for venous and capillary HbA1c results.
| Number | Urea (mmol/L) | Urea (mmol/L) | Actual difference (mmol/L) | Bias (%) |
|--------|---------------|---------------|-----------------------------|----------|
|        | Venous T0     | Capillary T72 |                             |          |
| 1.0    | 4.6           | 5.5           | 0.9                         | 19.7     |
| 2.0    | 2.9           | 3.5           | 0.6                         | 22.1     |
| 3.0    | 5.3           | 6.0           | 0.7                         | 13.9     |
| 4.0    | 3.1           | 4.1           | 1.0                         | 32.6     |
| 5.0    | 6.0           | 6.9           | 0.8                         | 13.4     |
| 6.0    | 5.0           | 5.7           | 0.7                         | 14.2     |
| 7.0    | 4.6           | 6.0           | 1.4                         | 30.7     |
| 8.0    | 5.1           | 5.8           | 0.7                         | 14.6     |
| 9.0    | 5.4           | 6.4           | 1.0                         | 17.6     |
| 10.0   | 5.7           | 6.3           | 0.6                         | 9.9      |
| 11.0   | 3.9           | 4.3           | 0.5                         | 12.1     |
| 12.0   | 4.2           | 5.3           | 1.1                         | 26.8     |
| 13.0   | 3.6           | 4.6           | 1.0                         | 27.3     |
| 14.0   | 5.8           | 7.1           | 1.3                         | 21.9     |
| 15.0   | 5.2           | 5.9           | 0.7                         | 14.3     |
| 16.0   | 4.2           | 5.0           | 0.8                         | 20.0     |
| 17.0   | 5.7           | 6.5           | 0.8                         | 13.7     |
| 18.0   | 4.3           | 6.7           | 2.5                         | 57.1     |
| 19.0   | 4.8           | 6.1           | 1.2                         | 25.5     |
| 20.0   | 5.5           | 6.4           | 0.9                         | 17.2     |

n = 20.0
Mean = 4.7
SD = 0.9
Lower 95% CI = 3.0
Upper 95% CI = 6.5

Supplementary file 2l. Raw data for venous and capillary albumin results.
| Number | Creatinine (umol/L) Venous T0 | Creatinine (umol/L) Capillary T72 | Actual difference (umol/mol) | Bias (%) |
|--------|------------------------------|----------------------------------|-----------------------------|---------|
| 1.0    | 59.1                         | 81.3                             | 22.2                        | 37.6    |
| 2.0    | 69.6                         | 83.5                             | 13.9                        | 19.9    |
| 3.0    | 84.9                         | 103.3                            | 18.4                        | 21.6    |
| 4.0    | 67.2                         | 88.3                             | 21.1                        | 31.4    |
| 5.0    | 90.7                         | 114.6                            | 23.9                        | 26.4    |
| 6.0    | 83.1                         | 99.1                             | 16.0                        | 19.3    |
| 7.0    | 60.8                         | 101.9                            | 41.1                        | 67.7    |
| 8.0    | 98.7                         | 122.3                            | 23.5                        | 23.8    |
| 9.0    | 76.0                         | 98.3                             | 22.3                        | 29.3    |
| 10.0   | 68.2                         | 77.1                             | 8.8                         | 13.0    |
| 11.0   | 67.9                         | 76.3                             | 8.4                         | 12.3    |
| 12.0   | 61.4                         | 79.5                             | 18.0                        | 29.3    |
| 13.0   | 69.0                         | 85.8                             | 16.8                        | 24.4    |
| 14.0   | 83.2                         | 112.8                            | 29.6                        | 35.5    |
| 15.0   | 72.3                         | 81.5                             | 9.1                         | 12.6    |
| 16.0   | 68.6                         | 84.0                             | 15.4                        | 22.5    |
| 17.0   | 76.6                         | 101.3                            | 24.6                        | 32.2    |
| 18.0   | 64.5                         | 100.5                            | 36.0                        | 55.8    |
| 19.0   | 76.3                         | 108.2                            | 32.0                        | 41.9    |
| 20.0   | 93.8                         | 121.6                            | 27.8                        | 29.6    |

| n     | 20.0                         | 20.0                             | 20.0                        | 20.0    |
| Mean  | 74.6                         | 96.0                             | 21.4                        | 29.3    |
| SD    | 11.3                         | 14.8                             | 8.8                         | 13.9    |
| Lower 95% CI | 52.5                         | 67.0                             | 4.1                         | 2.2     |
| Upper 95% CI | 96.7                         | 125.1                            | 38.8                        | 56.5    |

Supplementary file 2m. Raw data for venous and capillary creatinine results.
| Number | Magnesium (mmol/L) Venous T0 | Magnesium (mmol/L) Capillary T72 | Actual difference (umol/mol) | Bias (%) |
|--------|-----------------------------|---------------------------------|-----------------------------|---------|
| 1.0    | 0.9                         | 1.0                             | 0.1                         | 13.2    |
| 2.0    | 0.8                         | 1.0                             | 0.1                         | 12.5    |
| 3.0    | 0.9                         | 0.9                             | 0.1                         | 6.6     |
| 4.0    | 0.9                         | 1.0                             | 0.1                         | 11.3    |
| 5.0    | 0.8                         | 0.9                             | 0.1                         | 10.8    |
| 6.0    | 0.8                         | 0.9                             | 0.1                         | 10.7    |
| 7.0    | 0.9                         | 1.0                             | 0.1                         | 6.9     |
| 8.0    | 0.8                         | 1.0                             | 0.1                         | 16.5    |
| 9.0    | 0.8                         | 0.9                             | 0.1                         | 9.7     |
| 10.0   | 0.9                         | 1.0                             | 0.1                         | 10.3    |
| 11.0   | 0.8                         | 0.9                             | 0.1                         | 9.1     |
| 12.0   | 0.9                         | 1.0                             | 0.1                         | 6.6     |
| 13.0   | 0.9                         | 1.0                             | 0.1                         | 8.4     |
| 14.0   | 0.8                         | 0.9                             | 0.1                         | 17.5    |
| 15.0   | 0.9                         | 0.9                             | 0.1                         | 7.0     |
| 16.0   | 0.9                         | 1.0                             | 0.1                         | 14.3    |
| 17.0   | 0.8                         | 0.9                             | 0.1                         | 7.9     |
| 18.0   | 0.8                         | 1.0                             | 0.2                         | 19.7    |
| 19.0   | 0.8                         | 0.9                             | 0.1                         | 11.4    |
| 20.0   | 0.9                         | 0.9                             | 0.0                         | 1.7     |

Supplementary file 2n. Raw data for venous and capillary magnesium results.
| Number | Calcium (mmol/L) Venous T0 | Calcium (mmol/L) Capillary T72 | Actual difference (umol/mol) | Bias (%) |
|--------|-----------------------------|-------------------------------|-----------------------------|----------|
| 1.0    | 2.4                         | 2.7                           | 0.3                         | 14.6     |
| 2.0    | 2.4                         | 2.6                           | 0.2                         | 9.5      |
| 3.0    | 2.5                         | 2.8                           | 0.4                         | 14.3     |
| 4.0    | 2.4                         | 2.7                           | 0.3                         | 14.4     |
| 5.0    | 2.4                         | 2.6                           | 0.2                         | 9.1      |
| 6.0    | 2.5                         | 2.7                           | 0.2                         | 9.3      |
| 7.0    | 2.4                         | 2.8                           | 0.4                         | 16.5     |
| 8.0    | 2.5                         | 3.0                           | 0.5                         | 19.6     |
| 9.0    | 2.3                         | 2.8                           | 0.5                         | 20.3     |
| 10.0   | 2.3                         | 2.6                           | 0.3                         | 10.9     |
| 11.0   | 2.4                         | 2.4                           | 0.1                         | 3.1      |
| 12.0   | 2.3                         | 2.5                           | 0.1                         | 6.1      |
| 13.0   | 2.4                         | 2.9                           | 0.5                         | 20.5     |
| 14.0   | 2.4                         | 2.8                           | 0.3                         | 14.1     |
| 15.0   | 2.5                         | 2.8                           | 0.3                         | 11.2     |
| 16.0   | 2.3                         | 2.6                           | 0.3                         | 14.9     |
| 17.0   | 2.4                         | 2.6                           | 0.2                         | 8.7      |
| 18.0   | 2.4                         | 2.6                           | 0.3                         | 10.9     |
| 19.0   | 2.5                         | 3.0                           | 0.5                         | 20.6     |
| 20.0   | 2.6                         | 2.8                           | 0.3                         | 10.2     |

Supplementary file 2o. Raw data for venous and capillary calcium results.