

Measurand	Sample Type	Reference	Health Status	Breed(s)	Subjects (n) Samples Frequency	CV _I (%)	CV _G (%)	CV _A (%) Source	II Category	RCV (95%) RCV (99%)	Comments
Albumin	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	12.2	Not reported	1.1 duplicate	Cannot calculate	33.9 44.6	Roche Cobas-Fara; Short term variation study - daily collections
Albumin	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	1.6	5.2	0.5 duplicate	3.1 High	4.7 6.2	Roche Cobas-Fara
Alkaline phosphatase (ALP)	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	2.7	Not reported	0.8 duplicate	Cannot calculate	7.9 10.4	Roche Cobas-Fara; Short term variation study - daily collections
Alkaline phosphatase (ALP)	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	2.3	21.9	0.4 duplicate	9.5 High	6.3 8.4	Roche Cobas-Fara
Alanine aminotransferase (ALT)	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	0.1	Not reported	0.0 duplicate	Cannot calculate	0.3 0.5	Roche Cobas-Fara; Short term variation study - daily collections
Alanine aminotransferase (ALT)	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	0.4	2.0	0.0 duplicate	5.0 High	1.1 1.5	Roche Cobas-Fara
Aspartate aminotransferase (AST)	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	21.2	Not reported	0.2 duplicate	Cannot calculate	58.8 77.5	Roche Cobas-Fara; Short term variation study - daily collections
Aspartate aminotransferase (AST)	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	2.3	4.1	0.2 duplicate	1.8 High	6.3 8.3	Roche Cobas-Fara
Calcium	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	0.6	Not reported	0.0 duplicate	Cannot calculate	1.6 2.1	Perkin Elmer Model 5000 atomic absorption spectrophotometer; Short term variation study - daily
Calcium	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	1.6	0.1	0.0 duplicate	0.1 Low	4.3 5.7	Perkin Elmer Model 5000 atomic absorption spectrophotometer

Cholesterol	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	3.3	Not reported	0.7 duplicate	Cannot calculate	9.3 12.3	Roche Cobas-Fara; Short term variation study - daily collections
Copper	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	3.9	Not reported	0.0 duplicate	Cannot calculate	10.9 14.4	Perkin Elmer Model 5000 atomic absorption spectrophotometer; Short term variation study - daily
Creatine Kinase (CK)	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	34.8	Not reported	0.1 duplicate	Cannot calculate	96.4 127.0	Roche Cobas-Fara; Short term variation study - daily collections
Creatine Kinase (CK)	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	20.0	10.3	0.3 duplicate	0.5 Low	55.3 72.9	Roche Cobas-Fara
Creatinine	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	79.5	Not reported	12.3 duplicate	Cannot calculate	222.8 293.5	Roche Cobas-Fara; Short term variation study - daily collections
Creatinine	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	35.3	47.4	37.5 duplicate	0.9 Intermediate	142.6 187.9	Roche Cobas-Fara
γ glutamyl transferase (GGT)	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	0.6	Not reported	0.0 duplicate	Cannot calculate	1.7 2.2	Roche Cobas-Fara; Short term variation study - daily collections
γ glutamyl transferase (GGT)	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	0.5	3.1	0.0 duplicate	6.0 High	1.4 1.9	Roche Cobas-Fara
Glucose	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	0.6	Not reported	0.0 duplicate	Cannot calculate	1.7 2.2	Roche Cobas-Fara; Short term variation study - daily collections
Glucose	Plasma (heparin)	6	healthy	Red Danish	19 5 weekly	1.8	0.6	0.1 duplicate	0.3 Low	4.9 6.4	Roche Cobas-Fara
Iron	Plasma (heparin)	5	healthy	Red Danish	20 5 daily	31.9	Not reported	2.6 duplicate	Cannot calculate	88.8 117.0	Roche Cobas-Fara; Short term variation study - daily collections
Lactate	Plasma (heparin)	5	healthy	Red Danish	20 5	69.6	Not reported	0.1 duplicate	Cannot calculate	192.8 254.0	Roche Cobas-Fara; Short term

					daily						variation study - daily collections
Magnesium	Plasma (heparin)	5	healthy	Red Danish	20 5	0.4	Not reported	0.0 duplicate	Cannot calculate	1.1 1.4	Perkin Elmer Model 5000 atomic absorption spectrophotometer; Short term variation study - daily
					daily						
Magnesium	Plasma (heparin)	6	healthy	Red Danish	19 5	0.9	0.3	0.0 duplicate	0.3 Low	2.5 3.3	Perkin Elmer Model 5000 atomic absorption spectrophotometer
					weekly						
Phosphate	Plasma (heparin)	5	healthy	Red Danish	20 5	1.7	Not reported	0.2 duplicate	Cannot calculate	4.9 6.4	Roche Cobas-Fara; Short term variation study - daily collections
					daily						
Potassium	Plasma (heparin)	5	healthy	Red Danish	20 5	2.6	Not reported	0.0 duplicate	Cannot calculate	7.3 9.6	Roche Cobas-Fara; Short term variation study - daily collections
					daily						
Sodium	Plasma (heparin)	5	healthy	Red Danish	20 5	20.8	Not reported	0.1 duplicate	Cannot calculate	57.6 75.9	Roche Cobas-Fara; Short term variation study - daily collections
					daily						
Sorbitol dehydrogenase	Plasma (heparin)	5	healthy	Red Danish	20 5	40.8	Not reported	2.0 duplicate	Cannot calculate	113.2 149.2	Roche Cobas-Fara; Short term variation study - daily collections
					daily						
Total protein	Plasma (heparin)	5	healthy	Red Danish	20 5	20.2	Not reported	8.2 duplicate	Cannot calculate	60.3 79.4	Roche Cobas-Fara; Short term variation study - daily collections
					daily						
Total protein	Plasma (heparin)	6	healthy	Red Danish	19 5	14.4	39.9	1.4 duplicate	2.8 High	40.0 52.7	Roche Cobas-Fara
					weekly						
Urea	Plasma (heparin)	5	healthy	Red Danish	20 5	9.2	Not reported	3.3 duplicate	Cannot calculate	27.0 35.6	Roche Cobas-Fara; Short term variation study - daily collections
					daily						
Urea	Plasma (heparin)	6	healthy	Red Danish	19 5	12.8	7.2	0.7 duplicate	0.6 Low	35.6 46.9	Roche Cobas-Fara
					weekly						
Zinc	Plasma (heparin)	5	healthy	Red Danish	20 5	14.0	Not reported	0.2 duplicate	Cannot calculate	38.7 51.0	Perkin Elmer Model 5000 atomic absorption spectrophotometer; Short term variation study - daily
					daily						