

Hemodynamics Primary heart data

Originating from 100 Göttingen minipigs of 20 kg. *¹⁾

Heart rate (BPM)	103 /- 14
Systolic blood pressure (mmHg)	148 /- 15
Diastolic blood pressure (mmHg)	96 /-14
MAP (mmHg)	118 /- 14
HMV (ml/min)	3147 /- 271
Stroke volume (ml)	24.7
Left ventricle pressue, systolic (mmHg)	142 /- 14
Left ventricle pressure, diastolic (mmHg)	7 /- 2
End diastolic pressure (mmHg)	18 /- 3

Heart data recorded from 7 Göttingen Minipigs (22-32 kg) fitted with radiotelemetry transmitters. *²⁾

Heart rate (BPM)	56 /- 7
Systolic blood pressure (mmHg)	122 /- 15
Diastolic blood pressure (mmHg)	86 /-10
Left ventricle pressue, systolic (mmHg)	113 /- 15

Organ blood flow distribution, originating from 16 Göttingen minipigs of 3 kg (HMV= 717 /- 224 ml/min). *¹⁾

	% of HMV	ml/100g tissue/min
Heart	4.5	118 /- 45
Brain	5.1	76 /- 21
Esophagus	0.1	16 /- 11
Stomach	2.6	59 /- 44
Small intestine	11.0	79 /- 49
Cecum	1.1	96 /- 68
Large intestine	3.4	43 /- 30
Pancreas	1.4	147 /- 166
Spleen	3.3	297 /- 232
Kidneys	17.0	361 /- 86
Adrenals	0.1	82 /- 62
Skin	5.0	8 /- 4
Muscles	-	14 /- 6
Fat tissues	-	11 /- 6
Liver (total)	26	167 /- 74
Liver (portal)	23	-
GI tract (total)	18	71 /- 46

References:

Beglinger, R. and M. Becker, Herz und Kreislauf, In: P. Glodek and B. Oldigs (eds.), Das Göttinger Miniaturschwein, Paul Parey, Berlin, 1982, 75-85. *¹⁾ Stubhan, M., M. Markeert, K. Mayer, T. Trautmann, A. Klumpp, J. Henke, and B. Guth. Evaluation of cardiovascular and ECG parameters in the normal, freely moving Göttingen Minipig. Journal of Pharmacological and Toxicological Methods 57 (2008) 202-211 *²⁾