

**Table S1.** Results (mean  $\pm$  standard deviation) and comparison of the evaluated parameters (inflammatory, chemical, venous blood gas, and metabolic parameters) in cows developing parietal fibrinous peritonitis, generalised peritonitis and the control group.

<b><u>Inflammatory parameters</u></b>		PFP (11 cows)	Control group (14 cows)	<i>p</i> -Value	GP (30 cows)	Control group (14 cows)	<i>p</i> -Value	PFP (11 cows)	GP (30 cows)	<i>p</i> -Value
SP (g/l)	Mean $\pm$ SD	78.45 $\pm$ 14.24 <sup>a</sup>	68.36 $\pm$ 2.82 <sup>b</sup>	0.0383	71.33 $\pm$ 13.26 <sup>a</sup>	68.36 $\pm$ 2.82 <sup>a</sup>	0.4702	78.45 $\pm$ 14.24 <sup>a</sup>	71.33 $\pm$ 13.26 <sup>a</sup>	0.0840
PP (g/l)	Mean $\pm$ SD	87.09 $\pm$ 11.78 <sup>a</sup>	71.7 $\pm$ 3.17 <sup>b</sup>	0.0022	78.97 $\pm$ 14.15 <sup>a</sup>	71.7 $\pm$ 3.17 <sup>a</sup>	0.0647	87.09 $\pm$ 11.78 <sup>a</sup>	78.97 $\pm$ 14.15 <sup>a</sup>	0.0576
Fibrinogen (g/l)	Mean $\pm$ SD	8.64 $\pm$ 4.82 <sup>a</sup>	3.36 $\pm$ 0.93 <sup>b</sup>	0.0001	7.83 $\pm$ 2.45 <sup>a</sup>	3.36 $\pm$ 0.93 <sup>b</sup>	0.0001	8.64 $\pm$ 4.82 <sup>a</sup>	7.83 $\pm$ 2.45 <sup>a</sup>	0.4253
glutaraldehyde test (min)		< 3	> 15	0.0001	< 3	> 15	0.0001	< 3	< 3	0.1035
<b><u>Chemical parameters</u></b>										
Na <sup>+</sup> (mmol/L)	Mean $\pm$ SD	130.9 $\pm$ 5.57 <sup>a</sup>	133.14 $\pm$ 2.21 <sup>a</sup>	0.2800	126.93 $\pm$ 5.79 <sup>a</sup>	133.14 $\pm$ 2.21 <sup>b</sup>	0.0004	130.9 $\pm$ 5.57 <sup>a</sup>	126.93 $\pm$ 5.79 <sup>b</sup>	0.0314
K <sup>+</sup> (mmol/L)	Mean $\pm$ SD	3.64 $\pm$ 0.25 <sup>a</sup>	4.48 $\pm$ 0.42 <sup>b</sup>	0.0393	3.7 $\pm$ 1.3 <sup>a</sup>	4.48 $\pm$ 0.42 <sup>b</sup>	0.0188	3.64 $\pm$ 0.25 <sup>a</sup>	3.7 $\pm$ 1.3 <sup>a</sup>	0.8496
Ca <sup>++</sup> (mmol/L)	Mean $\pm$ SD	1.06 $\pm$ 0.09 <sup>a</sup>	1.19 $\pm$ 0.04 <sup>b</sup>	0.0033	0.89 $\pm$ 0.12 <sup>a</sup>	1.19 $\pm$ 0.04 <sup>b</sup>	0.0001	1.06 $\pm$ 0.09 <sup>a</sup>	0.89 $\pm$ 0.12 <sup>b</sup>	0.0001
Cl <sup>-</sup> (mmol/L)	Mean $\pm$ SD	93 $\pm$ 6.15 <sup>a</sup>	96.93 $\pm$ 2.73 <sup>a</sup>	0.0918	82.38 $\pm$ 6.45 <sup>a</sup>	96.93 $\pm$ 2.73 <sup>b</sup>	0.0001	93 $\pm$ 6.15 <sup>a</sup>	82.38 $\pm$ 6.45 <sup>b</sup>	0.0001
Agap (mmol/L)	Mean $\pm$ SD	15 $\pm$ 4.82 <sup>a</sup>	15.28 $\pm$ 1.86 <sup>a</sup>	0.8811	18.82 $\pm$ 5.56 <sup>a</sup>	15.28 $\pm$ 1.86 <sup>b</sup>	0.0263	15 $\pm$ 4.82 <sup>a</sup>	18.82 $\pm$ 5.56 <sup>b</sup>	0.0271
<b><u>Venous blood gas parameters</u></b>										
pH	Mean $\pm$ SD	7.73 $\pm$ 0.07 <sup>a</sup>	7.42 $\pm$ 0.07 <sup>a</sup>	0.8681	7.47 $\pm$ 0.08 <sup>a</sup>	7.42 $\pm$ 0.07 <sup>a</sup>	0.0708	7.73 $\pm$ 0.07 <sup>a</sup>	7.47 $\pm$ 0.08 <sup>a</sup>	0.1390
HCO <sub>3</sub> <sup>-</sup> (mmol/L)	Mean $\pm$ SD	26.47 $\pm$ 4.15 <sup>a</sup>	25.56 $\pm$ 1.86 <sup>a</sup>	0.7272	30.87 $\pm$ 8.16 <sup>a</sup>	25.56 $\pm$ 1.86 <sup>b</sup>	0.0137	26.47 $\pm$ 4.15 <sup>a</sup>	30.87 $\pm$ 8.16 <sup>b</sup>	0.0476
pCO <sub>2</sub> (mmHg)	Mean $\pm$ SD	40.03 $\pm$ 6.29 <sup>a</sup>	39.76 $\pm$ 8.02 <sup>a</sup>	0.9241	40.94 $\pm$ 6.8 <sup>a</sup>	39.76 $\pm$ 8.02 <sup>a</sup>	0.6090	40.03 $\pm$ 6.29 <sup>a</sup>	40.94 $\pm$ 6.8 <sup>a</sup>	0.7179
BE (mmol/L)	Mean $\pm$ SD	1.98 $\pm$ 4.35 <sup>a</sup>	1.06 $\pm$ 1.51 <sup>a</sup>	0.7015	5.71 $\pm$ 7.42 <sup>a</sup>	1.06 $\pm$ 1.51 <sup>b</sup>	0.0187	1.98 $\pm$ 4.35 <sup>a</sup>	1.06 $\pm$ 1.51 <sup>a</sup>	0.0794
<b><u>Metabolic parameters</u></b>										
Glucose (mg/dL)	Mean $\pm$ SD	80.36 $\pm$ 33.31 <sup>a</sup>	74 $\pm$ 5.76 <sup>a</sup>	0.6334	86.13 $\pm$ 39.32 <sup>a</sup>	74 $\pm$ 5.76 <sup>a</sup>	0.2601	80.36 $\pm$ 33.31 <sup>a</sup>	86.13 $\pm$ 39.32 <sup>a</sup>	0.6211
L-lactate (mmol/L)	Mean $\pm$ SD	4.68 $\pm$ 4.82 <sup>a</sup>	1.68 $\pm$ 1.44 <sup>a</sup>	0.0865	8.1 $\pm$ 4.85 <sup>a</sup>	1.68 $\pm$ 1.44 <sup>b</sup>	0.0001	4.68 $\pm$ 4.82 <sup>a</sup>	8.1 $\pm$ 4.85 <sup>b</sup>	0.0268
Creatinine (mg/dL)	Mean $\pm$ SD	2.33 $\pm$ 1.15 <sup>a</sup>	2.18 $\pm$ 0.28 <sup>a</sup>	0.8382	3.53 $\pm$ 2.30 <sup>a</sup>	2.18 $\pm$ 0.28 <sup>b</sup>	0.0240	2.33 $\pm$ 1.15 <sup>a</sup>	3.53 $\pm$ 2.30 <sup>a</sup>	0.0621

PFP: parietal fibrinous peritonitis; GP: generalised peritonitis; SP: serum protein; PP: plasma protein; Na<sup>+</sup>: sodium; K<sup>+</sup>: potassium; Cl<sup>-</sup>: chloride, Ca<sup>++</sup>: ionized calcium; (Agap) anion gap; pH: potential hydrogen, BE: base excess; HCO<sub>3</sub><sup>-</sup>: bicarbonate; pCO<sub>2</sub>: carbon dioxide pressure. Within the same line, values bearing a distinct letter are statistically different from each other ( $p < 0.05$ ).