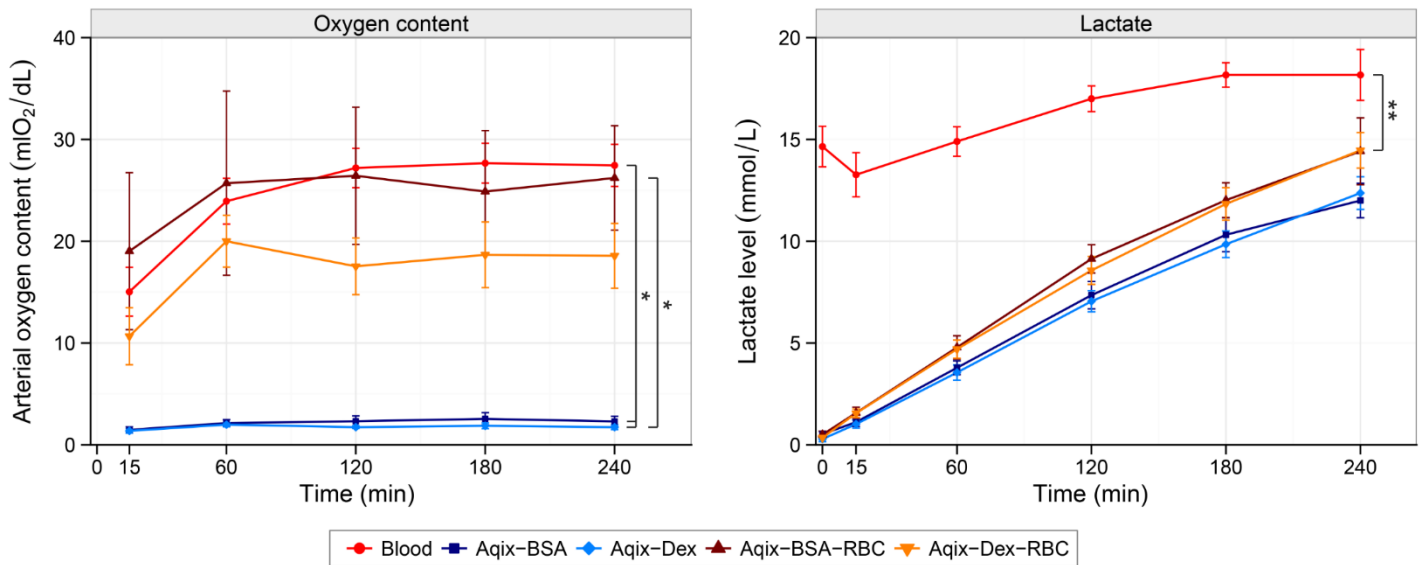# Figure S1

Figure S1. Oxygen and lactate measurements. Porcine kidneys were perfused for 4 hours with blood (control), with Aqix supplemented with a colloid (2.2% BSA or 3.5% Dextran 40), or Aqix with a colloid (BSA or Dextran 40) and RBC. (**A**) arterial oxygen content, *p=0.045 control versus Aqix-BSA and Aqix-Dex (p>0.01) and Aqix-BSA-RBC versus Aqix-Dex (p>0.01) (**B**) arterial lactate during 4 hours NMP, **p=0.002 Control versus Aqix-Dex-RBC. Every group contains 6 kidneys. BSA, bovine serum albumin; Dex, dextran 40; RBC, red blood cells; NMP, normothermic machine perfusion. Data are presented as mean ± SEM.
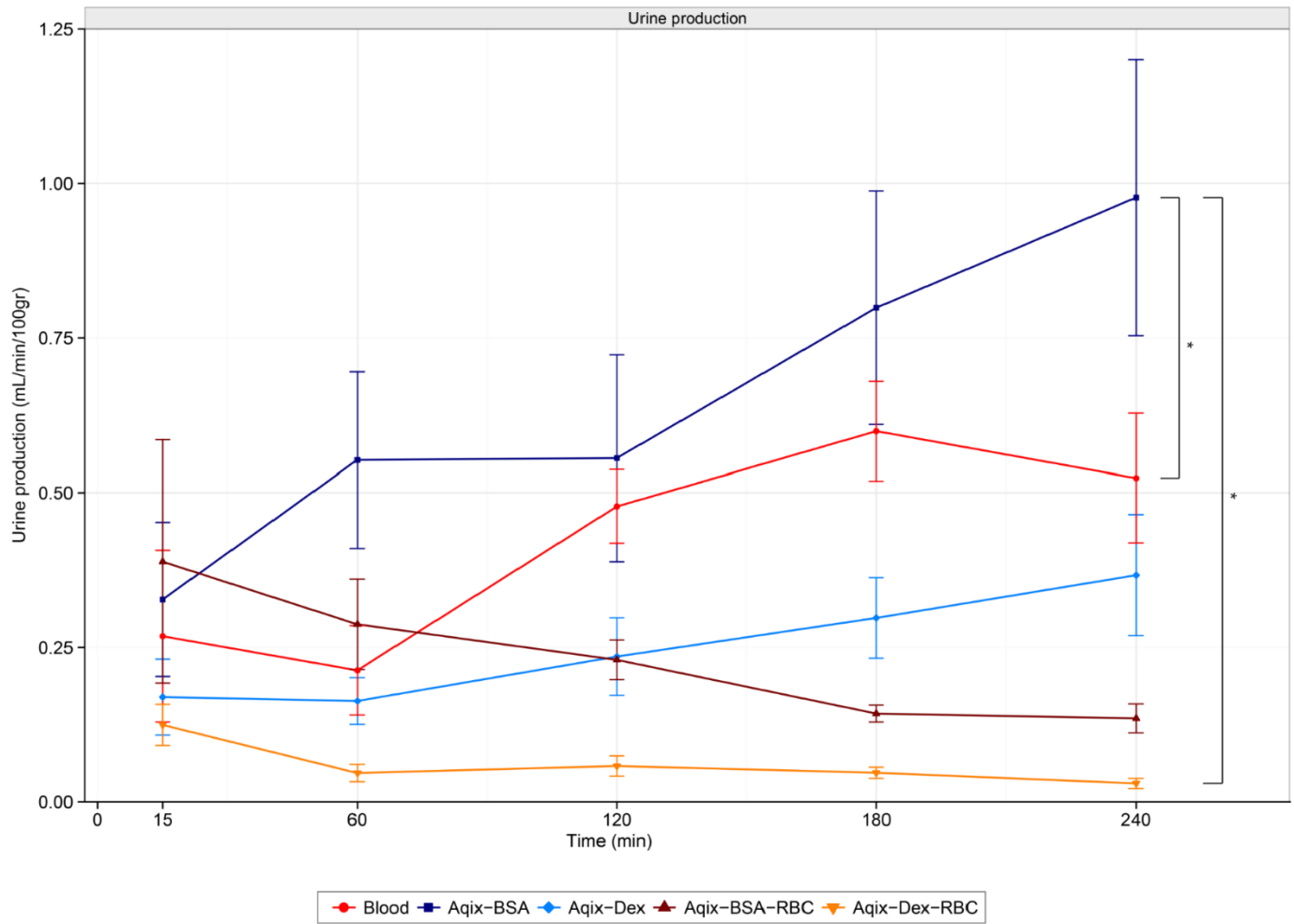
Figure S2

Figure S2. Urine production over time. Porcine kidneys were perfused for 4 hours with blood (control), with Aqix supplemented with a colloid (2.2% BSA or 3.5% Dextran 40), or Aqix with a colloid (BSA or Dextran 40) and RBC. (**A**) urine flow. Every group contains 6 kidneys. BSA, bovine serum albumin; Dex, dextran 40; RBC, red blood cells; NMP, normothermic machine perfusion. Data are presented as mean ± SEM.
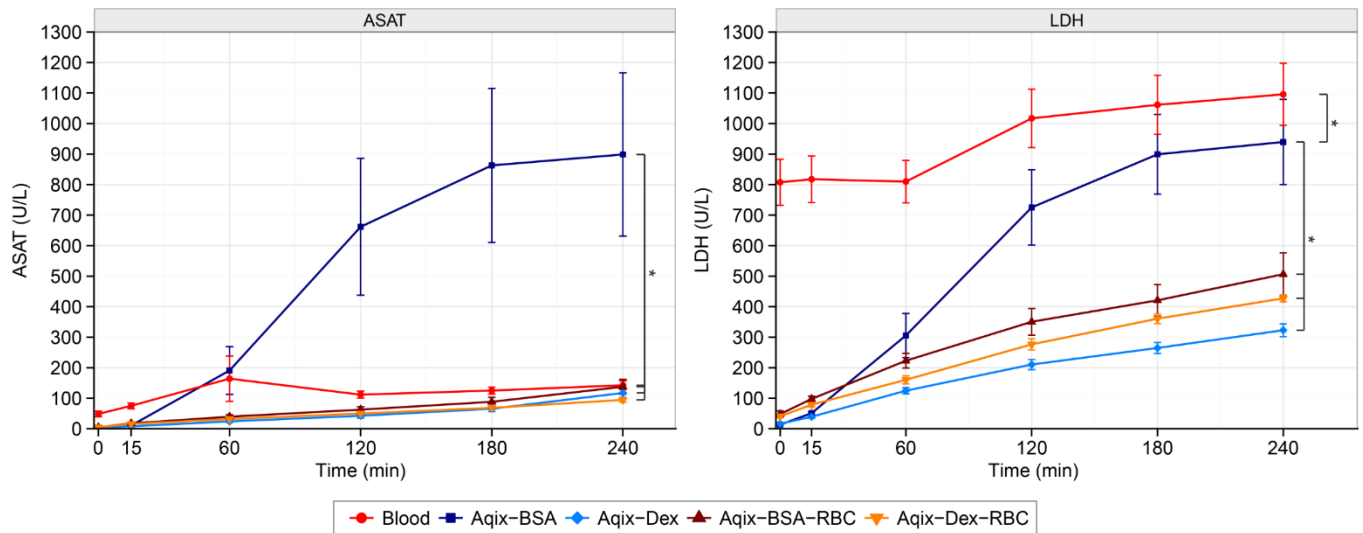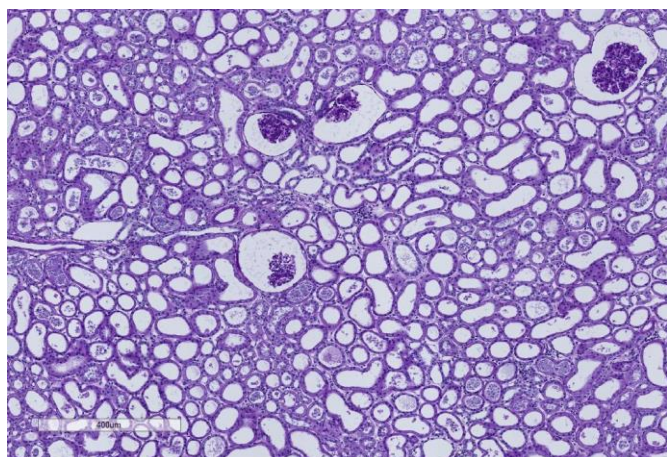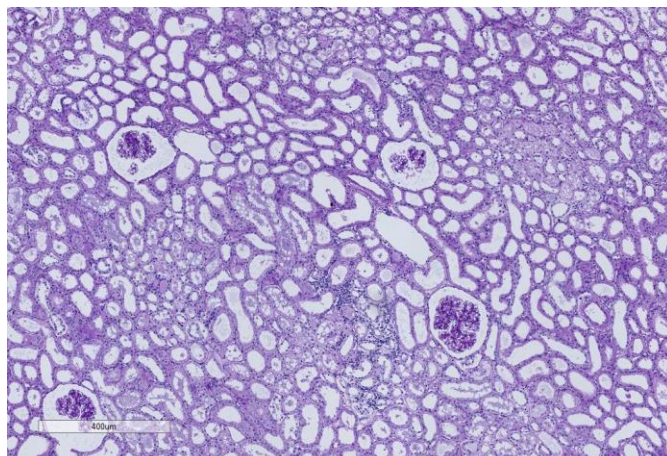
Figure S3

Figure S3. Injury markers ASAT and LDH over time. Porcine kidneys were perfused for 4 hours with blood (control), with Aqix supplemented with a colloid (2.2% BSA or 3.5% Dextran 40), or Aqix with a colloid (BSA or Dextran 40) and RBC. (**A**) ASAT, *$p<0.001$, (**B**) LDH, *$p<0.001$ between Aqix-BSA and all other groups. Every group contains 6 kidneys. BSA, bovine serum albumin; Dex, dextran 40; RBC, red blood cell; ASAT, aspartate aminotransferase; LDH, lactate dehydrogenase; NMP, normothermic machine perfusion. Data are presented as mean ± SEM.
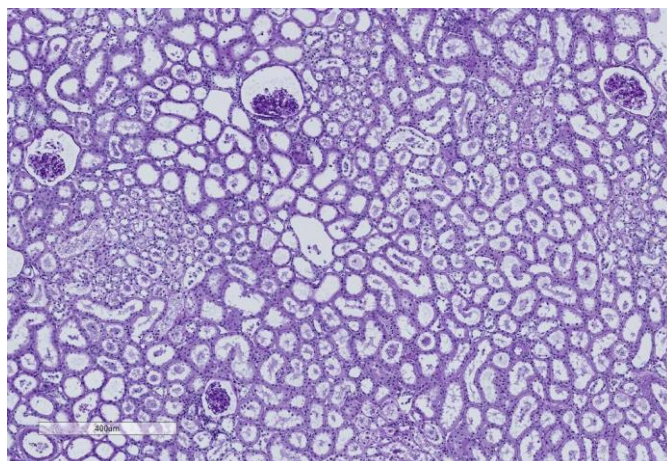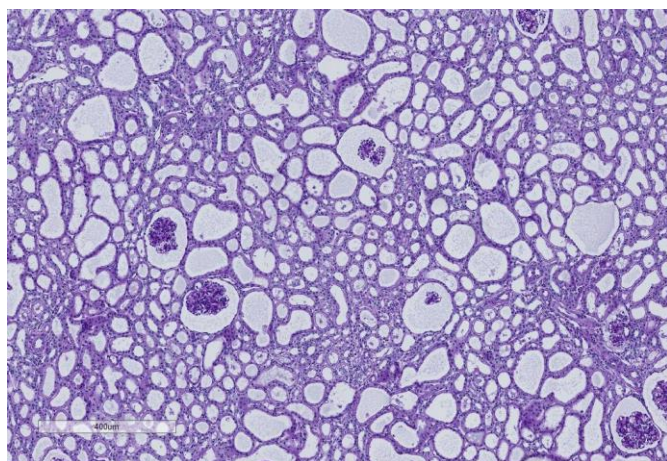
Figure S4

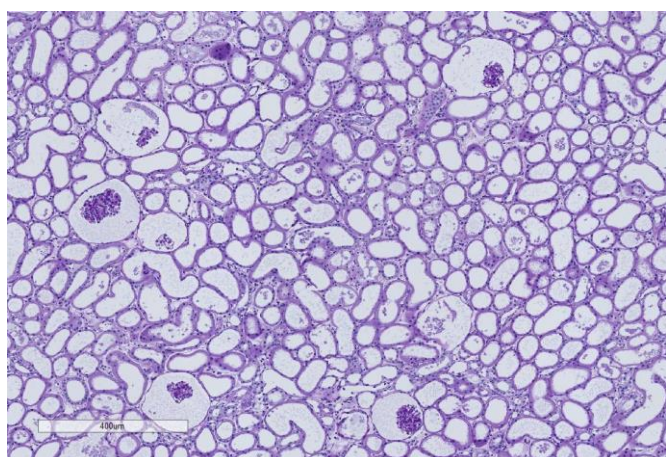**Blood:** Median percentage of damage in this group: 10%

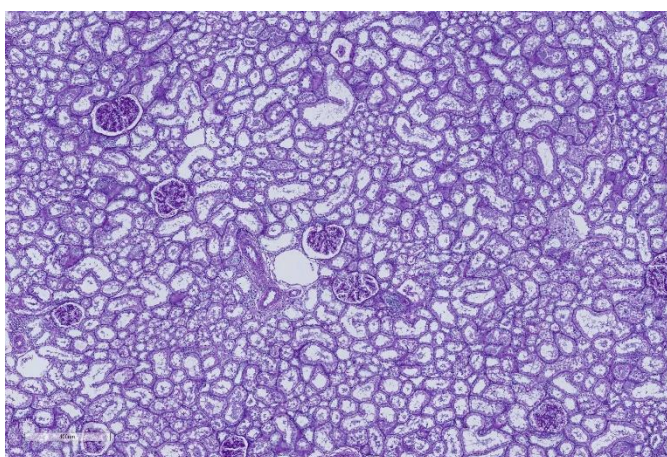**Aqix+BSA**: Median percentage of damage in this group: 38%

Aqix+Dex: Median percentage of damage in this group: 50%

Aqix+BSA+RBC: Median percentage of damage in this group: 7%

Aqix+Dex+RBC: Median percentage of damage in this group: 18%

Negative control: Median percentage of damage in this group: 1%