This appendix has been provided by the authors to give readers additional information about their work.

Supplement to:
Protective effects of traditional Chinese herbal formula Compound Xueshuantong Capsule (CXC) on rats with blood circulation disorders

Hong Liu, Wei-jian Zhang, Chao-feng Long and Wei-wei Su

Biotechnol. Biotechnol. Equip. 2017, 31

Figure S1. Experimental design.
Compound Xueshuantong Capsule (CXC) is a traditional Chinese herbal formula composed of root of *Panax pseudoginseng* var. *notoginseng* (Burkill) G.Hoo & C.L.Tseng, root of *Astragalus membranaceus* var. *mongholicus* (Bunge) P.K.Hsiao, root of *Salvia miltiorrhiza* var. *charbonnelii* (H.Lév.) C.Y.Wu and root of *Scrophularia ningpoensis* Hemsl, in a ratio of 25:8:5:8. CXC samples for the animal experiments were prepared with the roots of the four raw herbs based on the original proportion through precision processes of multiple soaking, filtering and evaporation. HPLC analysis was performed to ensure the quality of CXC samples. Systematic evaluation of the protective effects of CXC on the haemorheology, blood coagulation, oxidative stress and energy metabolism in rats with blood circulation disorders was conducted. Data were presented as means ± S.D. of ten rats. *P* < 0.05 and **P** < 0.01 vs. normal (control) group. *P* < 0.05 and ***P*** < 0.01 vs. model group.
### Table S1. Effects of CXC and aspirin on rats with blood circulation disorders.

| Group          | Dose (mg/kg) | WBV 5 s⁻¹ (mPa.s) | WBV 30 s⁻¹ (mPa.s) | WBV 50 s⁻¹ (mPa.s) | WBV 150 s⁻¹ (mPa.s) | WBV 200 s⁻¹ (mPa.s) | EAI | RCEI |
|----------------|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|------|
| Normal         | NS (same volume) | 8.76±1.47         | 6.68±0.89         | 5.74±0.74         | 4.91±0.48         | 4.6±0.37          | 1.81±0.27 | 5.39±0.36 |
| Normal         | NS (same volume) | 7.36±0.86**       | 5.83±0.61**       | 5.67±0.54**       | 2.54±0.25**       | 3.83±0.43**       |
| Model          | 14.19±2.01**  | 8.22±0.87β        | 6.68±0.89         | 5.74±0.74         | 4.91±0.48         | 4.6±0.37          | 1.81±0.27 | 5.39±0.36 |
| Model          | 8.22±0.87β    | 6.68±0.89         | 5.74±0.74         | 4.91±0.48         | 4.6±0.37          | 1.81±0.27         | 5.39±0.36 |
| Aspirin        | 100          | 11.08±3.57##      | 7.24±1.39##       | 6.51±1.18##       | 5.34±0.72##       | 5.31±0.81         | 2.09±0.51## | 4.74±0.85## |
| CXC low-       | 380          | 11.89±2.16##      | 7.46±0.84         | 6.6±0.88          | 5.42±0.43         | 5.32±0.54         | 2.1±0.22 | 4.11±0.64 |
| CXC intermediate- | 760         | 10.92±1.57###    | 7.17±0.66#        | 6.44±0.58#        | 5.27±0.36#        | 5.1±0.37          | 2.15±0.29 | 4.53±0.58# |
| CXC high-      | 1520         | 10.06±2.09##      | 7.05±0.55##       | 6.32±0.43##       | 5.23±0.41##       | 5.05±0.48##       | 2.03±0.49## | 4.97±0.36## |

**Note:** Data are mean values ± S.D. of ten rats. *P < 0.05 and **P < 0.01 vs. normal group. ##P < 0.05 and ###P < 0.01 vs. model group.