

Figure S1. Ferrichrome does not affect mitotic events in SUI-2 cells. Immunofluorescence staining of α -tubulin indicated that ferrichrome did not affect spindle formation during mitosis in SUI-2 cells. Magnification, $\times 1,200$.

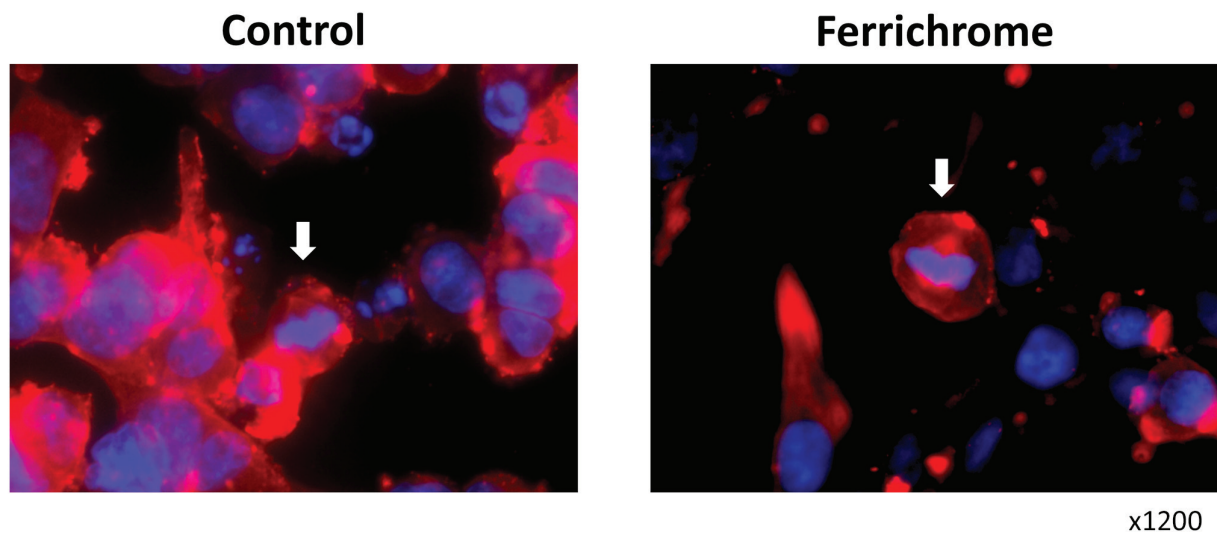


Figure S2. Ferrichrome does not affect the characteristics of any tissues. Histopathological changes in the organs were not detected following ferrichrome treatment. Magnification, x200 (top) and x400 (bottom).

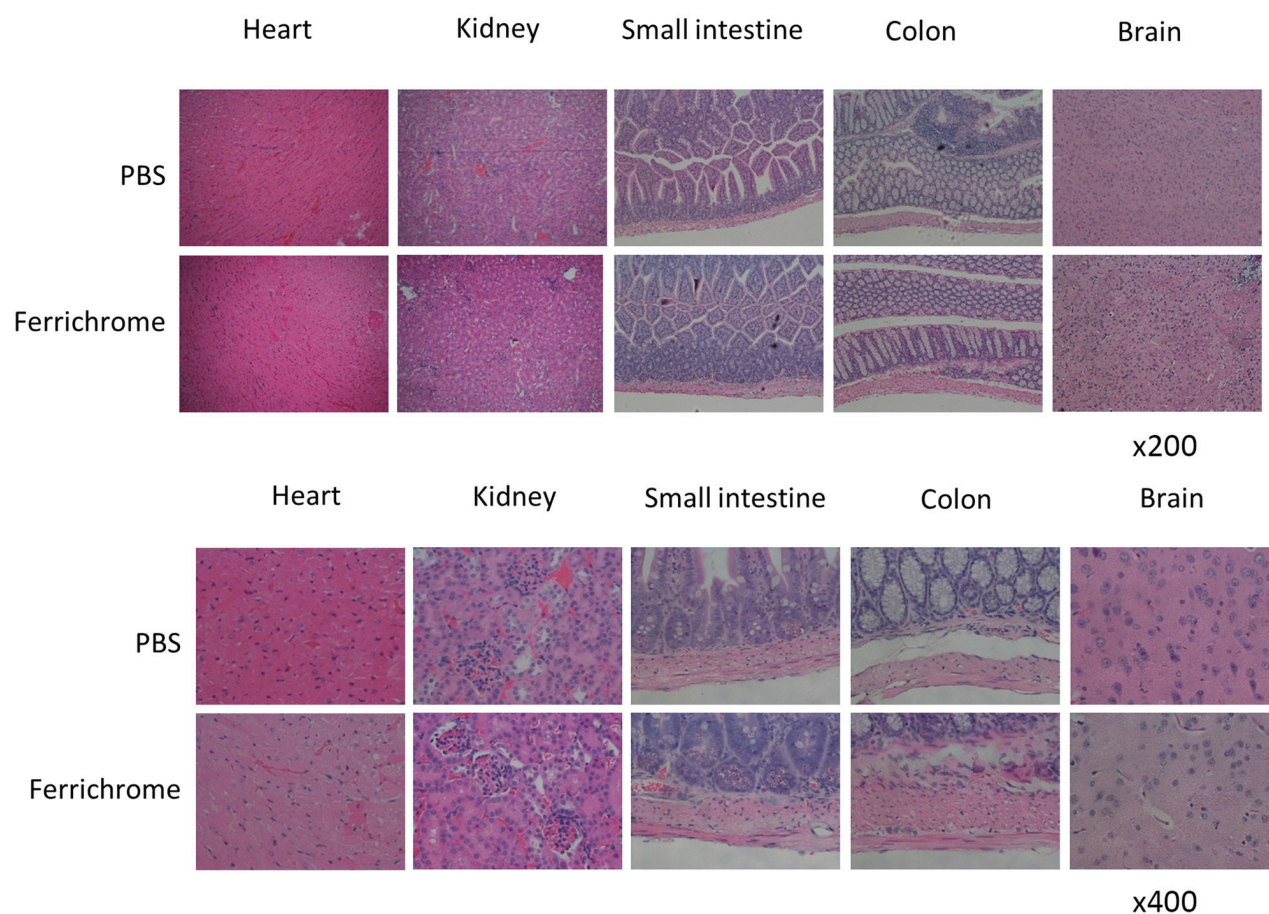


Table SI. Ferrichrome induces the expression of apoptosis-associated mRNAs.

Gene	Fold change	P-value
TEK	∞	2.06×10^{-5}
CHAC1	7.39	5.26×10^{-4}
DDIT4	5.10	6.19×10^{-4}
CDKN2D	4.24	1.66×10^{-3}
C4A	3.66	3.31×10^{-3}
DDIT3	3.55	2.00×10^{-2}
TNFRSF10D	3.10	1.47×10^{-4}
BIRC3	3.08	5.45×10^{-3}
NTF4	2.94	3.00×10^{-2}
DRAM1	2.94	6.66×10^{-4}
C4B	2.84	5.00×10^{-2}
HSPB6	2.77	5.00×10^{-2}
CTH	2.74	1.00×10^{-2}
TNFAIP3	2.73	3.16×10^{-3}
ASNS	2.67	2.68×10^{-3}
VEGFA	2.57	4.17×10^{-3}
EDAR	2.47	9.75×10^{-5}
PDGFRB	2.41	1.12×10^{-3}
PTK2B	2.18	2.98×10^{-3}
SLC39A10	2.17	2.09×10^{-3}
SPHK2	2.09	6.53×10^{-3}
BNIP1	2.07	5.00×10^{-2}
TMEM102	2.06	5.00×10^{-2}
PPP1R13L	2.06	6.93×10^{-3}
GAS6	-2.02	2.31×10^{-3}
MAP3K12	-2.13	1.06×10^{-3}
MSX2	-2.19	2.00×10^{-2}
DPF1	-2.20	5.98×10^{-3}
NODAL	-2.20	3.00×10^{-2}
BCL2L1	-2.23	3.00×10^{-2}
DYNLL1	-2.23	8.65×10^{-3}
FCER1G	-2.27	3.00×10^{-2}
FGFR1	-2.35	4.64×10^{-4}
DSTYK	-2.44	2.55×10^{-3}
TCHP	-2.57	2.19×10^{-4}
ARL6IP5	-2.70	2.63×10^{-4}
RET	-2.82	4.95×10^{-6}
SLC40A1	-3.61	7.75×10^{-3}
ERN2	-3.93	2.00×10^{-2}
PLAGL2	-4.41	3.53×10^{-4}
SPHK1	-4.70	3.76×10^{-4}
GAS1	-5.92	4.00×10^{-4}
GATA1	-6.18	6.68×10^{-3}
FFAR4	-6.25	4.00×10^{-2}
ALB	$-\infty$	2.00×10^{-2}
BIRC8	$-\infty$	1.29×10^{-7}
GCG	$-\infty$	1.00×10^{-2}
GIMAP8	$-\infty$	3.00×10^{-2}

Transcriptome analysis showed that ferrichrome altered the expression of apoptosis-related mRNAs in SUI-2 cells. ∞ ; no expression in control cells; $-\infty$; no expression in ferrichrome-treated cells.