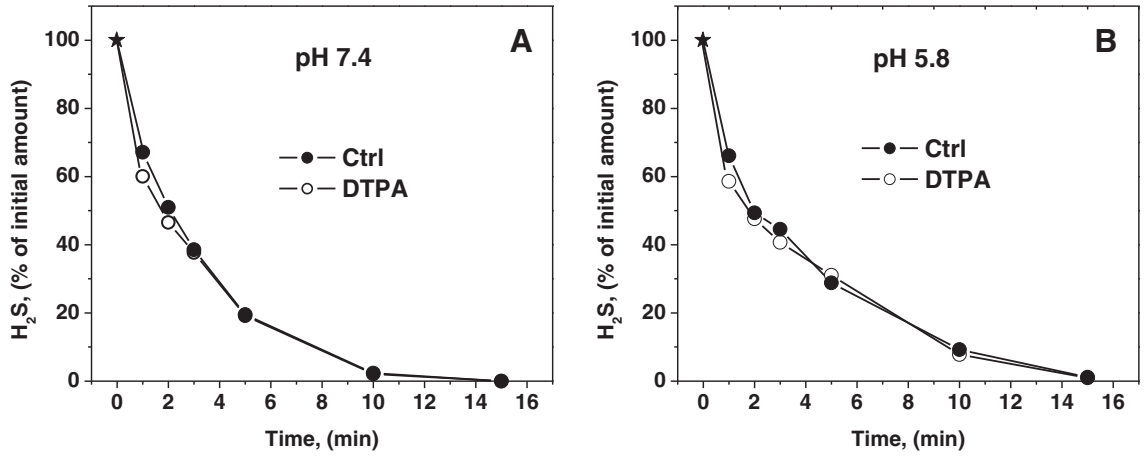
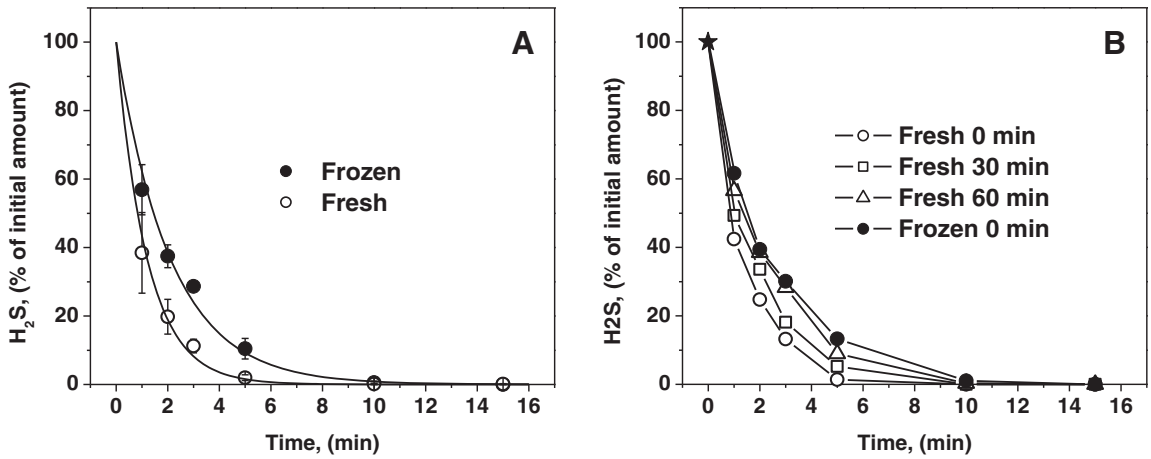
Supplementary Data



SUPPLEMENTARY FIG. S1. Effect of the metal chelator, DTPA (50 μM), on the kinetics of aerobic H_2S degradation by liver homogenate in 100 m*M* HEPES, pH 7.4 **(A)** or 100 m*M* sodium phosphate, pH 5.8 **(B).** Representative data from three independent experiments are shown in **(A)** and **(B)**.



SUPPLEMENTARY FIG. S2. Kinetics of aerobic H_2S degradation in homogenates prepared from fresh (*open symbols*) and frozen (*black symbols*) mouse liver in 100 m*M* HEPES buffer, pH 7.4. **(A)** The kinetics of H_2S clearance were measured immediately following homogenate preparation, and the data represent the mean ± SD for three independent experiments and the lines are exponential fits. **(B)** Time-dependent changes in the kinetics of H_2S clearance by homogenates prepared from fresh liver incubated for 0, 30, and 60 min on ice. Kinetics of H_2S degradation by homogenate prepared from frozen liver analyzed immediately after preparation is included for comparison. Representative data from three independent experiments are shown.