



S7 Fig. Effect of histidine metabolic products on MTT reduction to formazan by *E. coli*. The cells of mid-log LB culture were thoroughly washed and resuspended to $OD_{600\text{ nm}} = 0.1$ in PBS + glucose. Hundred μl aliquots were distributed to triplicate wells in 96-well plates, formamide, ammonium formate, ammonia, and histidine were added to a final concentration of 5.0 mM, and after 30 minutes of incubation at 37 °C on a shaker, the MTT test was performed. The experiment was repeated two times, each sample run in triplicate. Mean \pm SD is presented.