

Abstract

The effect of 17α -methyltestosterone and 17β -estradiol on sex of livebearer fish *Poecilia reticulata* and *P. wingei* was studied. Solution of 2.5 mg testosterone was added in the aquarium the first and fifteenth day after delivery of new fry. Estrogen was administered in food to gravid females (400 mg per 1 kg food). Sex of all individuals was determined in one, two and three months. Administration of neither testosterone nor estrogen caused sex reversal; in the second case reproduction of almost all females was stopped.