

Elicitation of *Xenopus laevis* Tadpole and Adult Frog Peritoneal Leukocytes

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Peritoneal leukocytes from *Xenopus laevis* tadpoles and adult frogs were elicited by intraperitoneal injection of various stimuli. The stimuli used were: (Xenopus laevis) erythrocytes, flagellated *Escherichia coli* (E. coli), flagellated *Escherichia coli* (E. coli) expressing the *DH5α* gene, and flagellated *Xenopus laevis* erythrocytes. The elicited leukocytes were then analyzed for their response to these stimuli. The results showed that the leukocytes from tadpoles and adult frogs responded differently to these stimuli. The leukocytes from tadpoles responded to the flagellated *E. coli* (E. coli) and flagellated *Xenopus laevis* erythrocytes, while the leukocytes from adult frogs responded to the flagellated *E. coli* (E. coli) and flagellated *Xenopus laevis* erythrocytes. The leukocytes from tadpoles also responded to the flagellated *E. coli* (E. coli) expressing the *DH5α* gene, while the leukocytes from adult frogs did not. These results suggest that the leukocytes from tadpoles and adult frogs have different receptors for these stimuli.

MATERIALS

Materials: *Xenopus laevis* tadpoles and adult frogs, *Escherichia coli* (E. coli) flagellated, *Escherichia coli* (E. coli) flagellated expressing the *DH5α* gene, *Xenopus laevis* erythrocytes, Percoll, RPMI 1640, FCS, and Penicillin-Streptomycin.

RECIPE

A. Percoll (APB) <R>
 C. RPMI 1640 (C-AM) <R>
 E. coli (DH5α) <R>
 LB <R>
 r. Percoll (0.1%) <R> (0.5 /L)
 r. Percoll (1%) <R> (0.5 /L)
 r. Penicillin-Streptomycin <R>
Xenopus laevis erythrocytes (Xenopus laevis) <R> (Fischer 1967)

EFFECTS

A. r. flagellated *E. coli* <R>
 B. r. r. <R>

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From the *Xenopus* collection, edited by Hazel L. Sive.

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C r f (r f r . r fr r)
C r f (1.5, 15, 50 L)
H (25G, 1 ; 18G, 1.5)
P r fi



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