

Propidium Iodide Nucleic Acid Stain in Euplotes

Angela Piersanti

Abstract

Citation: Angela Piersanti Propidium Iodide Nucleic Acid Stain in Euplotes. **protocols.io**

dx.doi.org/10.17504/protocols.io.hhrb356

Published: 01 Apr 2017

Protocol

Step 1.

Collect ~ 2 ml of Euplotes cells from a culture at 500 cells/ml, concentrate them by centrifugation, 7 min at 3000 rpm and remove the supernatant by pipetting.

Step 2.

Fix Euplotes cells with 1 volume of methanol for 10 min.

Step 3.

Remove as much as possible the solution and wash with 1X PBS (~1 ml) (washing step can be done by centrifugation).

Step 4.

Add Propidium Iodine 24 µg/ml and let it stain for 30 min.

Step 5.

Wash with 1X PBS (~1 ml) and remove as much as possible all the solution (washing step can be done by centrifugation).

Step 6.

Put 10 µl of the cells on a slide and observe them under the fluorescent microscope.