

# MAXPAR® Nucleic Acid Intercalator

103Rh, Catalog #201103A

## 500X Stock

Upon receipt, aliquot as appropriate, and store at -20°C



**CHEMICAL HAZARD.** Before handling any chemicals, refer to the Material Safety Data Sheet (MSDS) provided by the manufacturer, and observe all relevant precautions.



**HIGH CONCENTRATION.** 500X Stock is a highly concentrated metal intercalator solution and must be diluted in accordance with this protocol to avoid early failure of the detector.

## Kit Contents

- 500X Rh Intercalator 500µL

## Materials Required

- PBS without Calcium or Magnesium (-Ca<sup>2+</sup> -Mg<sup>2+</sup>)

## Protocol

### A. Cell Staining

1. Before intercalating, cells must be fixed.
  - If fixed with methanol, wash cells with PBS (-Ca<sup>2+</sup> -Mg<sup>2+</sup>) before proceeding
  - Cells may be used directly if fixed with formaldehyde (2-4%)
2. Dilute stock Rh-intercalator 1:500 with PBS (-Ca<sup>2+</sup> -Mg<sup>2+</sup>).
3. Use 0.5mL of working solution per 1x10<sup>6</sup> cells/ tube.
4. Incubate 15-20min at room temperature.
5. Wash cells with 2mL PBS (-Ca<sup>2+</sup> -Mg<sup>2+</sup>) per tube. Repeat once.

**Note:** Rh-intercalator is cell membrane impermeable. It will not stain live cells.

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