

Cytomix buffer	25 mM HEPES, pH 7.6, 120 mM KCl, 10 mM K ₂ HPO ₄ /KH ₂ PO ₄ , 5 mM MgCl ₂ , 0.015 mM CaCl ₂ , and 2 mM EGTA.
D10 medium	DMEM 1X (Corning, Cat #: 10-013-CV), 10 mM HEPES, 10% (v/v) Cosmic Calf Serum (Hyclone, Cat #: SH30087.03), 1 mM sodium pyruvate, 4 mM L-glutamine, 100 units/mL of penicillin, and 100 µg/mL of streptomycin.
Phenol red-free medium	DMEM/ Highly Modified (Hyclone, Cat #: SH30284.02), 10 mM HEPES, 10% (v/v) Cosmic Calf Serum (Hyclone, Cat #: SH30087.03), 1 mM sodium pyruvate, 4 mM L-glutamine, 100 units/mL of penicillin, and 100 µg/mL of streptomycin.
2X NLuc Buffer	100 mM MES, pH 6.0, 1mM CDTA, 0.5% Tergitol, 0.05% Mazu DF 204, 150 mM KCl, 1 mM DTT, 35 mM Thiourea.

Supplementary Table 1: Recipes for buffers.