

Product data sheet

Raji/NF-kB Reporter (Luc) stable cell line

Catalog Number CL-1280

Storage: Liquid nitrogen

Components: 1 vial contains $\sim 2 \times 10^6$ cells in Cell freezing medium

Product description

Raji/NF-kB Reporter (Luc) cells are derived from the human Raji B lymphoblastoid cell line by stably integration of a NF-kB firefly luciferase reporter construct. Raji cell line was generated from human Burkitt's lymphoma, has been widely used in cancer research and drug development. Raji/NF-kB Reporter (Luc) cells express firefly luciferase under the control of the NF-kB response elements, can be used for *in vitro* assays and *in vivo* imaging.

Cell line description

Organism: Homo sapiens (human)

Tissue: Lymphoblast

Cell Type: B lymphocyte

Morphology: Lymphoblast

Culture Properties: Suspension

Disease: Burkitt's lymphoma

Biosafety Level: 2

Medium

1. Complete culture medium: RPMI-1640, 10% fetal bovine serum (FBS)
1 μ g/mL of puromycin may be added to the culture medium. Puromycin should not be added until a culture has been well established from the thawed cells.
2. Freeze medium: FBS with 6% DMSO

Culture procedure

Thawing of frozen cells

1. Thaw the frozen cryovial by gentle agitation in a 37 °C water bath in 1-2 minutes.
2. Remove the cryovial from the water bath as soon as the contents are thawed, and decontaminate by wiping with 70% ethanol.
3. Transfer the thawed cell suspension to a centrifuge tube containing 10 ml of Complete culture medium, centrifuge at 500 g for 5 minutes.

4. Remove the medium by aspiration, resuspend the cells with 2 ml of the Complete culture medium by gently pipetting up and down.
5. Transfer the cells to a T-25 suspension cell culture flask.
6. Place the cells in a 37°C incubator with 5% CO₂.

Sub-culturing

Cultures can be maintained by addition of fresh medium or replacement of medium. Alternatively, the cells may be collected by centrifugation. Cultures can then be established by resuspending the cells in fresh medium at 4×10^5 viable cells/mL.

Medium Renewal: Every 2 to 3 days