

## Product data sheet

NALM6/GFP stable cell line

Catalog Number: CL-1659

Storage: Liquid nitrogen

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

### Product description

NALM6/GFP cells are derived from the human precursor B cell lymphoblast cell line NALM6 by stably integration of a constitutive GFP expression construct. NALM6 cells express CD19, are ideal for testing CAR T cell or other immunotherapies. NALM6/GFP cells stably express GFP, can be used for *in vitro* assays and *in vivo* imaging.

Phase contrast

GFP

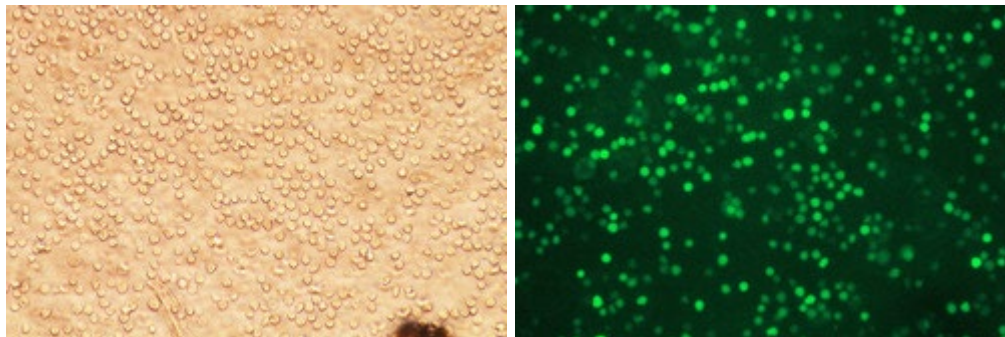


Figure 1. GFP expression in NALM6/GFP stable cell line.

### Cell line description

Organism: *Homo sapiens* (human)

Tissue: Peripheral blood

Cell Type: monocyte

Morphology: monocyte

Culture Properties: Suspension

Disease: Acute monocytic leukemia

Biosafety Level: 2

## Medium

1. Complete culture medium: RPMI-1640, 10% fetal bovine serum (FBS)  
1 µg/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: Fetal bovine serum (FBS), 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% CO<sub>2</sub>.

### Sub-culturing

Cultures can be maintained by the addition of fresh medium. Alternatively, cultures can be established by centrifugation with subsequent resuspension at 2 to 4 x 10<sup>5</sup> viable cells/ml. Do not allow the cell density to exceed 1 x 10<sup>6</sup> cells/ml.

Renew or add fresh medium every 2-3 days.