

HEK293-HER2 | 305422

CellosaurusAccession CVCL_6G26

GMO Status GMO-S1: HEK293 cells stably expressing HER2 protein, derived from HEK293 cells, Cytion 820700a

HEK293-HER2-305422

Receptors expressed HER2

HEK293

Culture Medium RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 10% FBS, 1 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, 10 mM HEPES, 1% NEAA, Geneticin (G418-Sulfat) 1 mg/ml

Dissociation Reagent EDTA

Doubling time 24–36 h

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, 10 mM HEPES, 1% NEAA, Geneticin (G418-Sulfat) 1 mg/ml. Cells are passaged by trypsinization and seeding into fresh medium at a density of 2–3 $\times 10^4$ cells per flask.

Split ratio 1 : 5

Seeding density 2×10^4 cells/cm²

Fluid renewal 2–3 times per week

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and seeded into fresh medium at a density of 2–3 $\times 10^4$ cells per flask. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, 10 mM HEPES, 1% NEAA, Geneticin (G418-Sulfat) 1 mg/ml.

Freeze medium Cells are resuspended in freezing medium (RPMI 1640 + 10% FBS + 10% DMSO) and seeded into freezing vials. Cells are frozen in liquid nitrogen and stored at -80°C.

