

Trophoblast (HTR-8/SVneo) cell line

From: Duke/UNC/UTA/EBI ENCODE group

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1. Source of cells: Charles H. Graham, Department of Anatomy & Cell Biology, Queen's University at Kingston, Kingston, Ontario, Canada
2. Lineage: First trimester human trophoblast cells immortalized with SV40 T antigen (see Graham et al., 1993).
3. Media for growth: RPMI 1640 supplemented with 5% FBS (no antibiotics), maintained at 5% CO₂ and 37 degrees C. Split with Trypsin 0.05% EDTA. Split twice weekly, and never let grow beyond 90% confluency. Normal growth media does not contain G-418 that was originally used to select for stable SV40 T antigen integration. In our experience, we do not have problems with repeated passage, suggesting that immortalization is readily maintained in the absence of drug.
4. Freezing: 92% FBS + 8% DMSO in cryovial and then in a freezing container overnight at -80C followed by liquid nitrogen storage.
5. Cell passage unknown

Reference for cell source:

Graham CH, Hawley TS, Hawley RG, MacDougall JR, Kerbel RS, Khoo N, Lala PK. Establishment and characterization of first trimester human trophoblast cells with extended lifespan. *Exp Cell Res* 1993;206:204-211.