



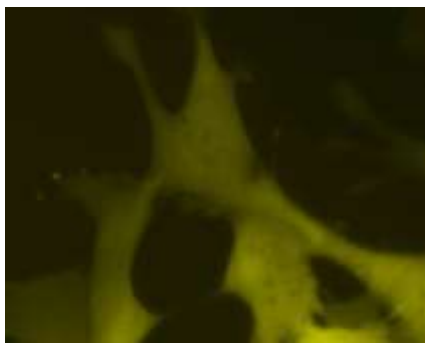
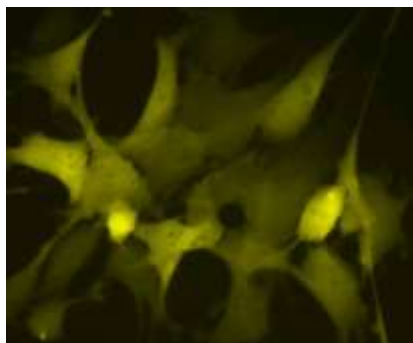
CellTrend GmbH

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Cell Line Specification Sheet

BC3H1-PhiYFP

Mouse brain tumor cells expressing PhiYFP

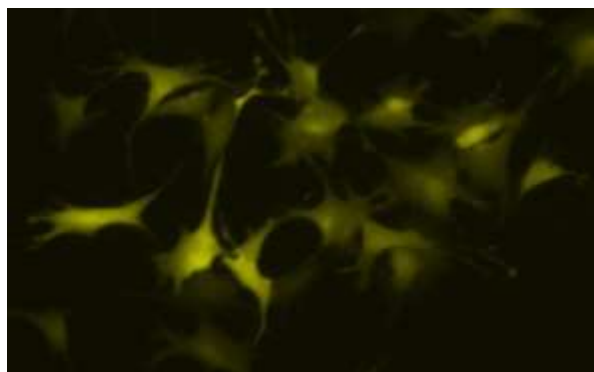


SPECIFICATIONS:

| | |
|-------------------------|---|
| Cell Line: | BC3H1 cells expressing PhiYFP |
| Cells/vial: | approximately 5×10^5 |
| Subculturing: | 1:2 to 1:5 |
| Medium Renewal: | 2 to 3 times per week |
| Growth Medium: | DMEM (4,5 g/L D-Glucose, 3,7 g/L NaHCO ₃) + 20 % fetal calf serum (FCS), 2 mM L-Alanyl-L-Glutamine, 2 mM Sodium Pyruvate, 1 % Non Essential Amino Acids (NEA) |
| Freeze Medium: | complete growth medium + 10% FCS, 10% DMSO |
| mycoplasma-free | |
| Shipping: | frozen |
| Storage Recommendation: | Liquid nitrogen |
| Biosafety Level: | 1 |

INFORMATION:

| | |
|--------------------|-------------------------------------|
| Organism: | <i>Mus musculus (mouse)</i> |
| Source: | Organ: brain, disease: tumor |
| Growth properties: | adherent |
| Morphology: | fibroblast |
| Conditions: | 37 °C, 5 % CO ₂ |
| Plasmid: | pPhiYFP-C (Evrogen, Moscow, Russia) |



BC3H1 cells expressing PhiYFP

A bright yellow fluorescent cell line has been established by stable transfection with a plasmid coding for PhiYFP. The BC3H1 cell line was established in 1974 from a nitrosoethylurea-induced tumor. It displays many properties of skeletal muscle cells in two distinct morphologies: large spheroid cells and smooth-muscle-like cells. The BC3H1 cell line was described to express an acetylcholine-receptor and synthesize adenylate and creatine phosphokinases.

References

Schubert D, et al. **Characterization of a unique muscle cell line.** J. Cell Biol. 61: 398-413, 1974. PubMed: 4363958

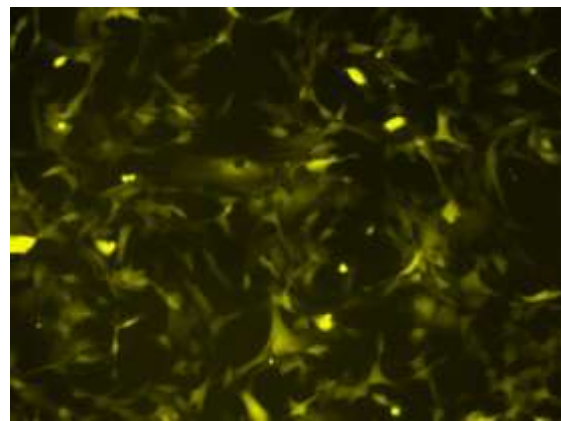
Taubman MB, et al. **The expression of sarcomeric muscle-specific contractile protein genes in BC3H1 cells: BC3H1 cells resemble skeletal myoblasts that are defective for commitment to terminal differentiation.** J. Cell Biol. 108: 1799-1806, 1989. PubMed: 2715180

Patrick J, et al. **Acetylcholine receptor metabolism in a nonfusing muscle cell line.** J. Biol. Chem. 252: 2143-2153, 1977. PubMed: 845167

FOR NON-HUMAN INVESTIGATIONAL RESEARCH ONLY.

TO BE HANDLED UNDER BIOSAFETY LEVEL 1 CONTAINMENT.

Information derived from ATCC and ECACC.



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