

Rat wild-type PC-12 cell line ab279978

概述

产品名称	大鼠wild-type PC-12 cell line
Parental Cell Line	PC12
Organism	Rat
Passage number	<20
Biosafety level	1
常规说明	<p>Wild-type cell lines are sold with knockout cell lines only - not available for individual purchase.</p> <p>Cryopreservation cell medium: Cell Freezing Medium-DMSO Serum free media, contains 8.7% DMSO in MEM supplemented with methyl cellulose.</p> <p>Culture medium: RPMI + 10% FBS</p> <p>Initial handling guidelines: Upon arrival, the vial should be stored in liquid nitrogen vapor phase and not at -80°C. Storage at -80°C may result in loss of viability.</p> <ol style="list-style-type: none"> 1. Thaw the vial in 37°C water for bath approximately 1-2 minutes. 2. Transfer the cell suspension (0.8 mL) to a 15 mL/50 mL conical sterile polypropylene centrifuge tube containing 8.4 mL pre-warmed culture medium, wash vial with an additional 0.8 mL culture medium (total volume 10 mL) to collect remaining cells, and centrifuge at 201 x g (rcf) for 5 minutes at room temperature. 10 mL represents minimum recommended dilution. 20 mL represents maximum recommended dilution. 3. Resuspend the cell pellet in 5 mL pre-warmed culture medium and count using a haemocytometer or alternative cell counting method. Based on cell count, seed cells in an appropriate cell culture flask at a density of 5×10^5-1×10^6 cells/mL. Seeding density is given as a guide only and should be scaled to align with individual lab schedules. 4. Incubate the culture at 37°C incubator with 5% CO₂. Cultures should be monitored daily. <p>Subculture guidelines:</p> <p>All seeding densities should be based on cell counts gained by established methods. A guide seeding density of 5×10^5-1×10^6 cells/mL is recommended.</p> <p>Subculture when cell density reaches 2-4×10^6 cells/mL.</p> <p>We will provide viable cells that proliferate on revival.</p>

性能

Number of cells	1×10^6 cells/vial, 1 mL
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Tissue	Adrenal
Cell type	adrenal pheochromocytoma
Gender	Male
Mycoplasma free	Yes
存放说明	Shipped on Dry Ice. Store in liquid nitrogen.
存储溶液	Constituents: 8.7% Dimethylsulfoxide, 2% Cellulose, methyl ether

靶标

相关性	Generated by Greene and Tischler (1976) from a transplantable rat adrenal pheochromocytoma line, PC12 cells respond reversibly to nerve growth factor (NGF) and therefore have a neuronal phenotype, making the line a useful model system for neuronal differentiation. They produce catecholamines (dopamine, norepinephrine), neurotransmitters, NPP and are therefore used in studies of differentiation, neurobiochemistry and neurobiology.
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