CL-0154

MDCK [NBL-2]（犬肾细胞）

1.Origin and General Characteristics	
Cell Name	MDCK [NBL-2]
Synonyms	MDCK (NBL-2) ; NBL-2; Madin-Darby Canine Kidney; Madin Darby Canine Kidney
Organism	Canis familiaris, dog
Age	Adult
Tissue	Kidney
Morphology	Epithelial
Growth Properties	Adherent
Descriptions	This line is hyperdiploid and there is a bi-modal chromosome number distribution.There are no consistent identifiable marker chromosomes.One normal X chromosome is present in most spreads. The cells are positive for keratin by immunoperoxidase staining.MDCK cells have been used to study processing of beta amyloid precursor protein and sorting of its proteolytic products.
Biosafety Level	1
2.Culture Conditions and Handling	
Complete Growth Medium	MEM (PM150467) + 10% FBS (164210-500) + 1% P/S (PB180120)
Subculturing	Remove and discard culture medium. Briefly rinse the cell layer with DPBS solution to remove all traces of serum that contains trypsin inhibitor. Add 1.0 to 2.0 mL of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually within 5~7min). Cells that are difficult to detach may be placed at 37℃ to facilitate dispersal. Add 4.0 to 6.0 mL of complete growth medium and aspirate cells by gently pipetting. Add appropriate aliquots of the cell suspension to new culture vessels.
Split Time	5~7min
Subcultivation Ratio	1:2-1:4
Doubling Time	
Medium Renewal	every 2 to 3 days
Cryopreservation	Freeze Medium: 55% Basal Medium+40% FBS+5% DMSO Storage Temperature: Liquid Nitrogen Vapor Phase
Culture Conditions	Atmosphere: Air, 95%; CO2, 5%; Temperature: 37℃
3.Special Features of the Cell Line	
Tumorigenic	
Receptor Expression	
Antigen Expression	
Applications	This cell line is a suitable transfection host and is useful for influenza research.
Cell Line Collections	ATCC; CCL-34 ECACC; 84121903 ECACC; 85011435

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细胞株培养扩增技术服务申明

本公司受贵单位委托，进行细胞株的技术服务工作，并收取相应细胞株技术服务费用，细胞株技术服务具体项目清单见订购合同。本公司提供完善的技术支持及售后服务，收到产品后处理方式及相应售后条款参见《细胞售后条例》。

收到常温细胞后如何处理？

（细胞培养详细操作步骤请参照《普诺赛细胞培养操作指南》）

1. 收到常温细胞后，及时**拍照记录有无漏液/瓶身破损现象**。
2. 用 75%酒精擦拭细胞培养瓶表面，显微镜下观察细胞状态。**先不要打开培养瓶盖，将细胞置于细胞培养箱内静置培养 2-4 小时，以便稳定细胞状态。**
3. 仔细阅读细胞说明书，了解细胞相关信息，如**贴壁特性（贴壁/悬浮）**、细胞形态、**所用基础培养基、血清比例**、所需细胞因子、**传代比例、换液频率**等。
4. 静置完成后，取出细胞培养瓶，镜检、拍照，记录细胞状态**（所拍照片将作为后续服务依据）**；建议细胞传代培养后，**定期拍照**、记录细胞生长状态。
5. 若细胞生长密度超过 80%，可正常传代，首次传代推荐 1:2~1:3（按实际收货细胞密度决定，若不确定可联系技术支持）；若未超过 80%，移除细胞培养瓶内培养基，**预留 6mL 左右原瓶培养基继续培养**，直至细胞密度达 80%左右再进行传代操作，注意拧松瓶盖或更换透气瓶盖。
6. 由于气温、运输等影响造成贴壁细胞漂浮的，请将细胞离心收集后在离心管中消化后进行传代（参考邮件操作指南），或及时联系技术支持进行指导传代。
7. 若观察导异常或者对细胞有疑问，请及时跟代理商或我们联系；对于细胞培养操作及培养注意事项有疑问的，可跟我们的技术支持交流。

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