

Cell Culture Media Exosome Purification Kits

CAT. 60400,60600

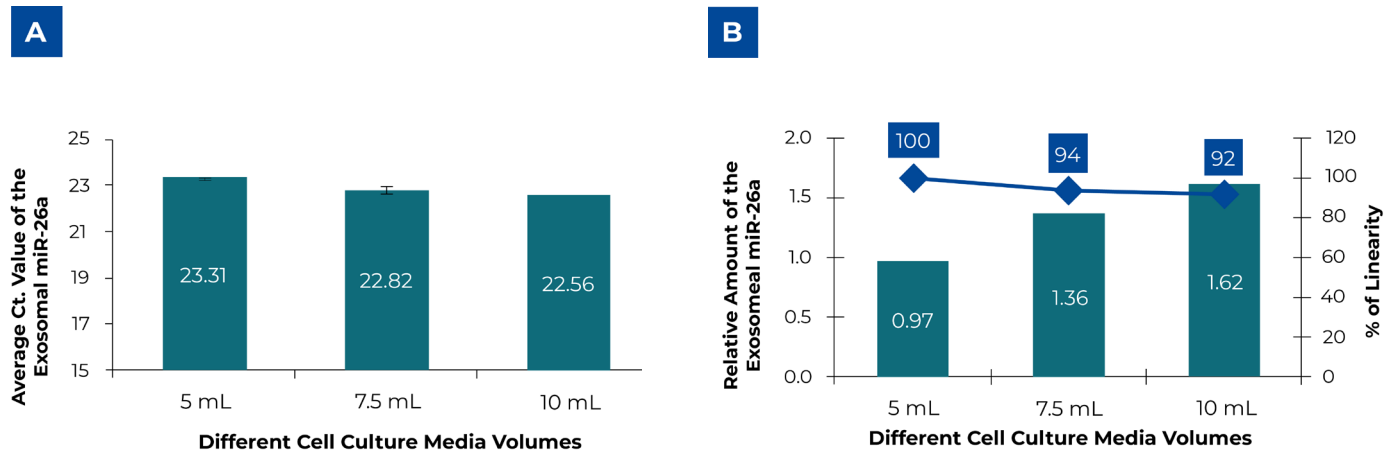
QUICK AND EASY PROTOCOL FOR THE PURIFICATION OF CELL CULTURE MEDIA EXOSOMES



- ✓ Purification and enrichment of intact exosomes from plasma, serum, urine, cell culture media and saliva in less than 30 minutes.
- ✓ Versatile sample input ranging from 5 mL to 35 mL
Cell Culture Media Exosome Purification Mini Kit (5 mL - 10 mL)
Cell Culture Media Exosome Purification Maxi Kit (20 mL - 35 mL)
- ✓ Exosome purification is based on Norgen's proprietary resin
- ✓ No precipitation reagents, overnight incubation, protease or coagulant treatments required
- ✓ No time-consuming ultracentrifugation, filtration or special syringes required
- ✓ Purify intact exosomes with a size ranging from 40-200 nm depending on sample input type

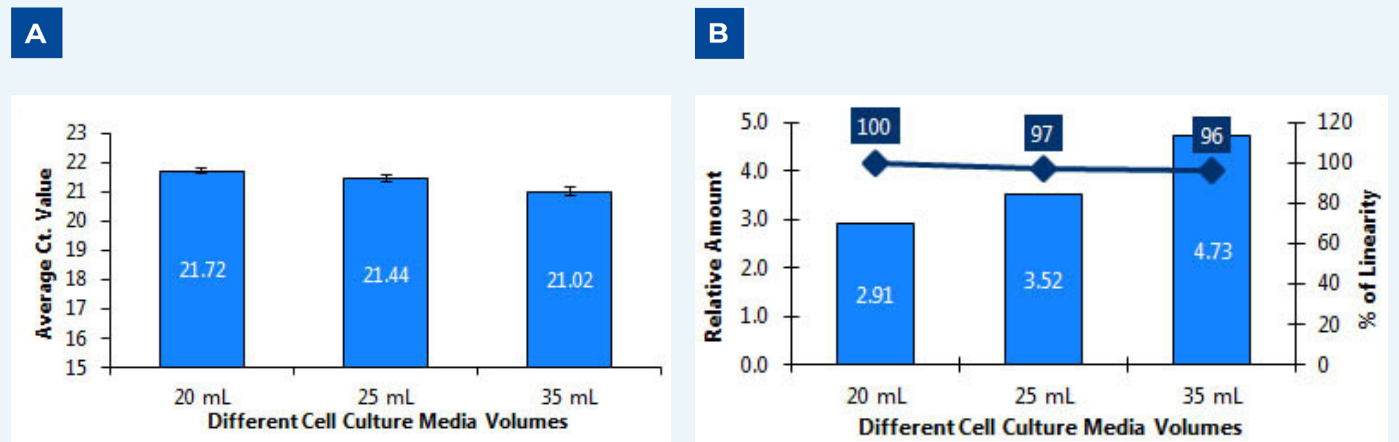


Advantages You Will Bring to Your Lab



EXCELLENT LINEARITY WITH A PERCENTAGE OF RECOVERY OF MORE THAN 90% USING MINI KIT

Figure 1. Isolation of RNA from exosomes purified from different cell culture media volumes. Exosomal RNA was purified from exosomes isolated using Norgen's Cell Culture Media Exosome Purification kit (Cat.60400). 2 μ L of the isolated RNA was then used as the template in RT-qPCR reactions to assess the amplification of the isolated exosomal RNA (A) The exosomal avg. Ct value for miR-26a is linearly decreasing with increasing the sample input volume. (B) The relative amount of the exosomal miR-26a shows excellent linearity with a percentage of recovery of more than 90%.



EXCELLENT LINEARITY WITH A PERCENTAGE OF RECOVERY OF MORE THAN 90% USING MAXI KIT

Figure 2. Isolation of RNA from exosomes purified from different cell culture media volumes. Exosomal RNA was purified from exosomes isolated using Norgen's Cell Culture Media Exosome Purification kit (Cat.60600). 2 μ L of the isolated RNA was then used as the template in RT-qPCR reactions to assess the amplification of the isolated exosomal RNA. (A) The avg. Ct value for exosomal miR-26a is linearly decreasing with increasing the sample input volume. (B) The relative amount of the exosomal miR-26a shows excellent linearity with a percentage of recovery of more than 90%.



KIT COMPONENTS

Component	Cat. 60400 (50 preps)	Cat. 60600 (15 preps)
Slurry E	12.5 mL	12.5 mL
ExoC Buffer	1.5 mL	1.5 mL
ExoR Buffer	12 mL	12 mL
Mini Filter Spin Columns inserted into 2 mL tubes	50	15
Product Insert	1	1

Storage Conditions

All buffers should be kept tightly sealed and stored at room temperature. This kit is stable for 2 years after the date of shipment.

SELECT PUBLICATIONS

Publication Title	Authors	Journal	Year
Adipose-Derived Mesenchymal Stem Cell-Derived Extracellular Vesicles Rescue Tendon Injury in Rat via the miR-19 a/IGFBP3 Axis	Haibo Zhao, Hongyuan Jiang, Haoyun Zhang, Zewen Sun, Qian Lin, Tianrui Wang, Tengbo Yu and Yingze Zhang	Stem Cells International	2022
Comparative Proteomic Profiling of Secreted Extracellular Vesicles from Breast Fibroadenoma and Malignant Lesions: A Pilot Study	Katia Pane, Cristina Quintavalle, Silvia Nuzzo, Francesco Ingenito, Giuseppina Roscigno, Alessandra Affinito, Iolanda Scognamiglio, Birlipta Pattanayak, Enrico Gallo, Antonella Accardo, Guglielmo Thomas, Zoran Minic, Maxim V. Berezovski, Monica Franzese, and Gerolama Condorelli	Int. J. Mol. Sci.	2022
Vitamin D Reverts the Exosome-Mediated Transfer of Cancer Resistance to the mTOR Inhibitor Everolimus in Hepatocellular Carcinoma	Mariarosaria Negri, Feliciano Amatrudo, Annalisa Gentile, Roberta Patalano, Tatiana Montò, Cristina de Angelis, Chiara Simeoli, Rosa Pirchio, Renata Simona Auriemma, Annamaria Colao, Rosario Pivonello, and Claudia Pivonello	Front Oncol.	2022
Small RNA sequencing and bioinformatics analysis of RAW264.7-derived exosomes after Mycobacterium Bovis Bacillus Calmette-Guérin infection	Zhan, Xuehua, Wenqi Yuan, Yueyong Zhou, Rong Ma, and Zhaohui Ge.	BMC Genomics	2022

Ordering Information

Description	Preps	Cat. #
Cell Culture Media Exosome Purification Kits Mini	50 Prep	60400
Cell Culture Media Exosome Purification Kits Maxi	15 Prep	60600

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APPLICATION

Related Products	Prep Size	Cat. #
Exosomal RNA Isolation Kit	Variable	58000
Norgen Next Generation Sequencing Services	Call 1-866-NORGENB or Visit norgenbiotech.com	



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