

Product Data Sheet

PET™

Catalog Number: 0405

Product Description

PET™ cell dissociation mixture contains Polyvinylpyrrolidone, EGTA and Trypsin and is used to detach monolayer cultures of epithelial cells from the growth substratum. When used in conjunction with the “cold trypsinization” method this reagent will yield more viable cells from epithelial cell monolayers grown in various serum-free media.

Product Specifications

Unit Size	100 mL
Shipping	Supplied frozen
Storage	Store at -70°C or -80°C
Stability	4 - 6 weeks at 4°C, 2 years at -80°C
pH	7.4 – 7.6
Conductivity	10.0 – 16.0 mS

Suggested Use:

After rinsing the cell monolayers using HBS, add 3ml of ice cold PET dissociation medium. Do not keep the flask in the incubator. Keep the flask at room temperature and monitor the monolayer by microscopy (preferably phase contrast). When the cells begin to separate, gently remove most of the PET (without removing the cells) and allow the flask to remain at room temperature. To determine whether the cells are ready to harvest, tap the flask (held in an upright position) firmly by the hand. When the cells float free, resuspend them in cold HBS supplemented with 5% fetal bovine serum (FBS) to stop the tryptic action. Mix well by pipetting the cell suspension, centrifuge and resuspend the cell pellet in the appropriate complete serum-free medium.



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Recommended Supplemental Media:

Catalog Number	Product Name
0407	FNC Coating Mix®
0403	HPCI™
0406	Freezing Media Pair™
0408	HBS w/Phenol Red
0409	HBS w/out Phenol Red

References

1. Kaighn, M. E., Reddel, R. R., Lechner, J. F., Peehl, D. M., Camalier, R. F., Brash, D. E., Saffiotti, U. and Harris, C. C. 1989. Transformation of human neonatal prostate epithelial cells by strontium phosphate transfection with a plasmid containing SV40 early region genes. Cancer Res. 49:3050-3056

Material Safety Data

FOR RESEARCH USE ONLY. NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. Do not ingest, swallow or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. For complete safety information see full Material Safety Data Sheet.