

# OptiPrep™ Mini-Review MS02

## Purification of nuclei from tissues and cells in iodixanol gradients – a bibliography

- ◆ This Mini-Review provides a complete list of publications reporting the use of OptiPrep™ for the isolation of nuclei: the references are sorted into sections according to **cell or tissue type**. Within each section references are listed alphabetically according to **first author**.
- ◆ Key words in the article titles are **highlighted in blue**
- ◆ **Mini-Review MS01** provides a practical review of the current OptiPrep™-based methodology

### 1. BHK cells

**Iilina, P.**, Hyvonen, Z., Saura, M., Sandvig, K., Yliperttula, M. and Ruponen, M. (2012) *Genetic blockage of endocytic pathways reveals differences in the intracellular processing of non-viral gene delivery systems* J. Control. Release, **163**, 385–395

### 2. Brain tissue (human): see also “Neural cells”

**Erwin, J.A.**, Paquola, A.C.M., Singer, T., Gallina, I., Novotny, M., Quayle, C., Bedrosian, T.A., Alves, F.I.A., Butcher, C.R. et al (2016) *LI-associated genomic regions are deleted in somatic cells of the healthy human brain* Nat. Neurosci, **19**, 1583-1591

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**Garcia-Esparcia, P.**, Hernández-Ortega, K., Koneti, A., Gil, L., Delgado-Morales, R., Castaño, E., Carmona, M. and Ferrer, I. (2015) *Altered machinery of protein synthesis is region- and stage-dependent and is associated with  $\alpha$ -synuclein oligomers in Parkinson's disease* Acta Neuropathol. Comm., **3**: 76

**Hoffner, G.**, Island, M-L. and Djian, P. (2005) *Purification of neuronal inclusions of patients with Huntington's disease reveals a broad range of N-terminal fragments of expanded huntingtin and insoluble polymers* J. Neurochem., **95**, 125-136

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**Krishnaswami, S.R.**, Grindberg, R.V., Novotny, M., Venepally, P., Lacar, B., Bhutani, K., Linker, S.B. et al (2016) *Using single nuclei for RNA-seq to capture the transcriptome of postmortem neurons* Nat. Protoc., **11**, 499-524

**Reed, P.J.**, Wang, M., Erwin, J.A., Paquola, A.C.M. and Gage, F.H. (2017) *Single-cell whole genome amplification and sequencing to study neuronal mosaicism and diversity* In Genomic Mosaicism in Neurons and Other Cell Types: Neuromethods, **131**, (ed. Frade, J.M. and Gage, F.H.) Springer Science+Business Media, LLC, pp 253-268

**Wierman, M.B.**, Burbulis, I.E., Chronister, W.D., Bekiranov, S. and McConnell, M.J. (2017) *Single-cell CNV detection in human neuronal nuclei* In Genomic Mosaicism in Neurons and Other Cell Types: Neuromethods, **131**, (ed. Frade, J.M. and Gage, F.H.) Springer Science+Business Media, LLC, pp 109-131

### 3. Brain tissue and spinal cord (rodent): see also “Neural cells”

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#### 5. Caenorhabditis elegans

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## 7. CHO cells

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## 10. Epithelial cells

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## 11. Fibroblasts

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## 12. Granulosa (ovarian) cells

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## 13. HEK cells

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## 14. Hepatoma cells

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## 15. Human breast cancer tissue

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Mini-Review MS02 6<sup>th</sup> edition, October 2017

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