

# DENSITY GRADIENT MEDIA

Axis-Shield Density Gradient Media is a brand of Alere Technologies AS

## OptiPrep™

### The ideal density gradient medium

OptiPrep™ is a sterile and endotoxin tested solution of 60% iodixanol in water with a density of 1.32 g/ml.

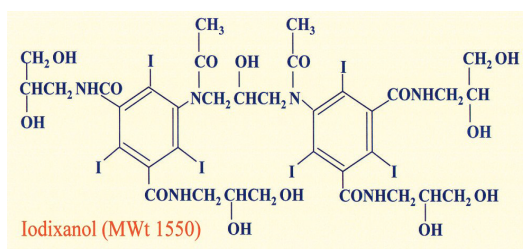
Iodixanol was developed as an X-ray contrast medium and has therefore been subjected to rigorous clinical testing.

Iodixanol is non-ionic, non-toxic to cells and metabolically inert.

Iodixanol solutions can be made isoosmotic at all useful densities.

Iodixanol solutions have low viscosity and osmolality.

Actual endotoxin levels in each batch are usually measured at < 0.13 EU/ml.



The high density of OptiPrep™ facilitates the fractionation of cells by flotation from a dense load zone through either a continuous or discontinuous gradient or through a simple density barrier.

55 protocols available for cell isolation.

Improved resolution of cell organelles.

Low viscosity, isoosmotic gradients provide rapid and efficient separation of the major organelles in preformed gradients.



62 protocols available for isolation of subcellular organelles and membranes.

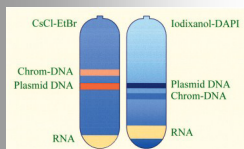
OptiPrep™ is the ideal solution for virus purification.

Virus purified using OptiPrep™ gradients shows infectivity: particle number ratios at least 100x those from CsCl gradients.

31 protocols available for virus purification

14 protocols available for macromolecules and lipoproteins purification.

- ☑ Mammalian and non-mammalian cells
- ☑ Subcellular organelles
- ☑ Analysis of membrane trafficking and cell signalling
- ☑ Analysis of endocytosis and exocytosis
- ☑ Plasma membrane and domains
- ☑ Membrane vesicles and cytosol
- ☑ Organelles from non-mammalian sources
- ☑ Viruses
- ☑ Plasma lipoproteins
- ☑ Proteins and protein complexes
- ☑ Plasmid DNA
- ☑ Ribonucleoproteins



**Web:**

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OptiPrep™ is a ready-made, sterile and endotoxin tested solution with the following specifications:

Iodixanol: 60% (w/v)

Density:  $1.320 \pm 0.001$  g/ml

Endotoxins: < 1.0 EU/ml

Each batch of OptiPrep™ is checked on the level of endotoxins using a specific LAL test. Our goal is to produce batches with an endotoxin level lower or equal to 0.13 EU/ml.

For every batch produced a Certificate of Analysis showing the actual values of density and endotoxin levels is made available at [www.axis-shield-density-gradientmedia.com](http://www.axis-shield-density-gradientmedia.com). We also claim sterility according to Ph.Eur.

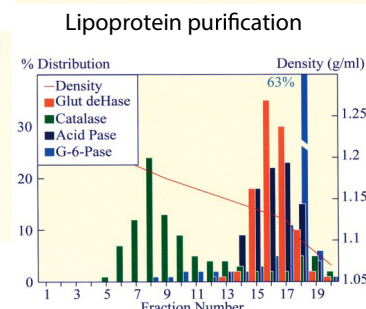
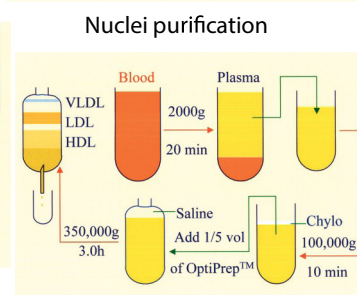
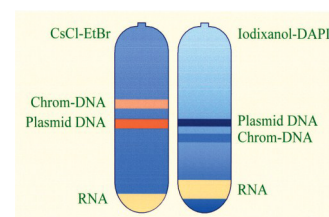
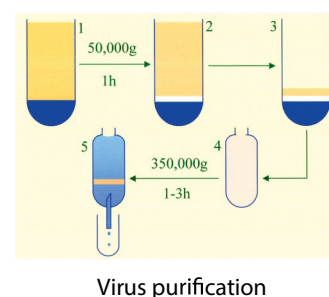
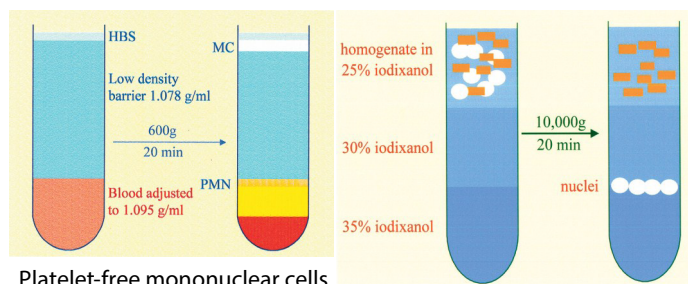
OptiPrep™ is manufactured, packed and released in compliance with:

1. Current EU Guide to Good Manufacturing Practice
2. Fresenius Kabi AS Quality System
3. Fresenius Kabi AS Manufacturing Licence

OptiPrep™ is supplied as a sterile solution in the following package sizes

Cat. no. AXS-1114542 1 x 250ml

Cat. no. AXS-1114542-5 5 x 250ml \*BEST VALUE\*



Distributed in North America by:



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