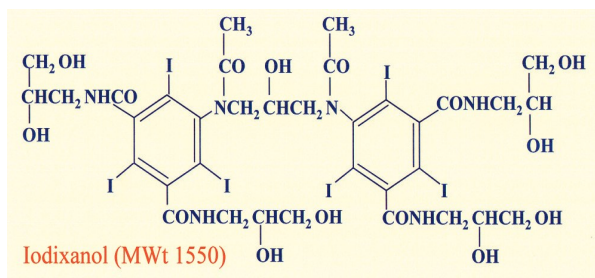


# AXIS-SHIELD DENSITY GRADIENT MEDIA

## OptiPrep™ The optimum 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.

- **51 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.

- **38 protocols available for virus purification**
- **13 protocols available for macromolecules and lipoproteins purification.**

**Web:**

[www.axis-shield-density-gradient-media.com](http://www.axis-shield-density-gradient-media.com)

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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-gradient-media.com](http://www.axis-shield-density-gradient-media.com). We also claim sterility according to Ph.Eur.

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

1. GMP and ISO 13485

**OptiPrep™** is supplied as a sterile solution in the following package size:

Prod. no. 1114542 1x250ml

- **Mammalian and non-mammalian cells**
- **Subcellular organelles**
- **Analysis of membrane trafficking and cell signaling**
- **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**

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