

# 4 in ONE Cell Culture Media Supplement

Catalog No: tcim002073



## Available Sizes

**Size:** 1 Liter

**Size:** 10ml x 10

**Size:** 100ml

**Size:** 10ml



## Specifications

### Application:

4 in ONE Cell Culture Media Supplement is Cell culture media supplement replaces blood derived insulin transferrin supplements that contain serum-derived transferrin.

### Research Area:

Cell Culture.

### Form:

Liquid.

### Recommended Dilution:

100 X Concentrated.

### Component:

Insulin

Transferrin

Selenium

Ethanolamine

### Storage Instruction:

-20°C

## Notes

4 in ONE Cell Culture Media Supplement is a basal media supplement and can be used to reduce the amount of serum needed to culture cells. Insulin promotes the uptake of glucose and amino acids, transferrin is a non-toxic iron carrier, selenium is required for the function of glutathione peroxidase and other antioxidant enzymes, and ethanolamine is a phospholipid precursor. The components of the solution are manufactured animal-free and it is provided as a 100x sterile concentrate. Advantages:

1. Manufactured in a tertiary level animal component-free facility in the United States.
2. Raw materials, manufacturing equipment, and packaging is certified animal-free.
3. Host manufacturing system is of non-animal and non-human source.
4. Complete supply and manufacturing chain.
5. Supplied as a 100x sterile liquid.
6. Blood-free components improve performance consistency in media.
7. Cost effective.
8. Certified ISO9001 (Manufacturer)

## Product Description

4 in ONE Cell Culture Media Supplement is Animal FREE recombinant insulin and transferrin cell culture 100x media supplement. 4 in ONE Cell Culture Media Supplement contains 4 components that are typically required for optimal cell growth in serum-free or reduced serum media. Insulin has cell signaling functions and promotes the uptake of glucose and amino acids. Transferrin is a universal source of iron for cells that is non-toxic carrier of iron and reduces the generation of toxic free-radicals and peroxide. Selenium is required for the activity of glutathione peroxidase, thioredoxin reductase, and other antioxidant enzymes. Ethanolamine is a phospholipid precursor that improves the performance of cells in serum-free media and is required for the growth of some cell types.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!