

## Product Information

Colcemid Solution (10 µg/ml) in DPBS

Cat. No.: CY010-700      Volume: 10 ml

### Product Description

N-Deacetyl-N-methylcolchicine (Colcemid) is related to colchicine but it is less toxic. Colcemid depolymerizes microtubules and limits their formation. Appropriate dilutions inactivate the spindle fiber formation, thus arresting cells in metaphase and allowing cell harvest and karyotyping to be performed.

### Applications

- Arrests cells in metaphase
- For chromosome analysis during lymphocyte karyotyping or amniotic fluid cell chromosome analysis

### Product Specifications

pH	6.9 – 7.5
Osmolality	260 – 330 mOsm/kg
Endotoxin	≤10 EU/ml
Sterility	Tested
Storage	Shipped at ambient temperature. Store at +2°C to +8°C upon arrival.
Working concentration	Recommended final concentration: 0.1 µg/ml

### Formulation

Component	g/l
Demecolcine (Colcemid)	0.01
Calcium chloride dihydrate	0.13
Magnesium chloride hexahydrate	0.10
Potassium chloride	0.20
Potassium phosphate monobasic anhydrous	0.20
Sodium chloride	8.00
Sodium phosphate dibasic anhydrous	1.15

### Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.