



## Colcemid Solution (10 µg/ml) in DPBS LTSMC10

### General Information

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

Appearance	Clear liquid
CAS No.	477-30-5
Storage and shelf life	Store at +2 to +8°C upon arrival. Once opened store at +2 to +8°C and use within 4-6 weeks.
Shipping conditions	Ambient
Working concentration	Recommended final concentration: 0.1 µg/ml

### Formulation

Component	concentration mg/l
Demecolcine (Colcemid)	10.00
CaCl <sub>2</sub> 2H <sub>2</sub> O	130.00
Cl <sub>2</sub> Mg 6H <sub>2</sub> O	100.00
KCl	200.00
KH <sub>2</sub> PO <sub>4</sub>	200.00
NaCl	8000.00
Na <sub>2</sub> HPO <sub>4</sub>	1150.00

### Precautions and Disclaimer

This product is for research use only.