

# Colcemid Solution (10 µg/ml) in DPBS

## 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.

## Product specifications

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

## Applications

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

## Formulation

| Component                            | 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

## Ordering information

| Catalogue number | Pack size |
|------------------|-----------|
| LTSMC10          | 10 ml     |

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