

## Product Information / Instruction for Use



Colcemid Solution (10 µg/ml) in DPBS  
Cat. No. COL-H (10 ml)

### Intended Purpose

The addition of Colcemid arrests cells in metaphase. This synchronization of the cells (or the cell cycle) is necessary for chromosome analysis in the context of the karyotyping of lymphocytes or amniotic fluid cells (amniocentesis, chorionic villus sampling).

### 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. Colcemid Solution is a non-automatic, *in vitro* Diagnostic class A sterile product intended for laboratory use.

### Product Specifications

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

For lot specific data (Certificate of Analysis) please refer to our website: <https://www.capricorn-scientific.com/en/services/certificate-of-analysis>

### 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

### Instructions for Use

Application:

- Arrests cells in metaphase

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- For chromosome analysis during lymphocyte karyotyping or amniotic fluid cell chromosome analysis

### Precautions and Disclaimer

- For *in vitro* diagnostic use. The solution is not intended for therapeutic use with humans or animals.
- Each laboratory is obliged to perform representative tests according to the valid legal regulations and in its own environment to ensure that it is suitable for this purpose before the solution can be used in routine diagnostics.
- Do not use if a visible precipitate is observed in the solution.
- The patient specimens are biological material and therefore safety precautions must be taken according to local regulations for working with potentially infectious material.
- Use of Colcemid Solution does not guarantee the successful outcome of any diagnostic testing.
- Do not use Colcemid Solution beyond the expiration date indicated on the product label.
- To be used by qualified professionals only.
- Do not use Colcemid Solution beyond the expiration date indicated on the product label.
- Do not use Colcemid Solution if the packaging is damaged and thus sterility is impaired.
- Report serious incidents that have occurred in connection with this product to the manufacturer and the appropriate authorities.



### Signs and Symbols

	Catalog number
	Batch Code
	Storage conditions: temperature limit
	Expiration date
	Aseptic filling
	<i>In vitro</i> diagnostics
	Manufacturer
	Protect from sunlight
	Date of manufacture
	CE Marking

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	See instruction manual
	Do not use if packaging is damaged

### Manufacturer



Capricorn Scientific GmbH  
 Auf der Lette 13 A  
 35085 Ebsdorfergrund  
 Germany

### Safe disposal

#### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

#### Environmental precautions

Do not let product enter drains.

### Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email ([techservice@capricorn-scientific.com](mailto:techservice@capricorn-scientific.com)) or phone (+49 6424 944640).