
	Document ID:	TDS-CDS-002-10ML	Version:	002
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	Title:	TECHNICAL DATASHEET		

Colcemid Solution (10 µg/ml) in DPBS

Filtration, Treatment	Sterile filtered
Product Code	CDS-002-10ML
Shelf Life	24 months from DOM
Storage Temperature	2 - 8°C
Shipping Temperature	Ambient

QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	Clear, colorless solution	n/a
pH at RT	Electronic pH Meter	6.9 - 7.5	n/a
Osmolality	Osmometer	260 - 330	mOsm/kg
Endotoxin	LAL Kinetic	≤ 10.0	EU/ml
Sterility			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a

Formulation

Components	CAS number	Concentration (mg/L)
Demecolcine (Colcemid)	477-30-5	10.00
Calcium chloride dihydrate	10035-04-8	130.00
Disodium hydrogen phosphate	7558-79-4	1150.00
Magnesium chloride hexahydrate	7791-18-6	100.00
Potassium chloride	7447-40-7	200.00
Potassium dihydrogen phosphate	7778-77-0	200.00
Sodium Chloride	7647-14-5	8000.00

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.
- Store at +2°C to +8°C upon arrival. Once opened store at +2°C to +8°C and use within 4-6 weeks
- Recommended final working concentration: 0.1 µg/ml

Application

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

Precautions and Disclaimer

- This product is intended for laboratory use only. The solution is not intended for therapeutic use.
- 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.
- Do not use Colcemid Solution beyond the expiration date indicated on the product label.



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