

Material Safety Data Sheet (MSDS)

QuantiChrom™ Magnesium Assay Kit

Cat. # DIMG-250

Components

<u>Item Number</u>	<u>Name</u>	<u>Quantity</u>
DIMG-250	Reagent A	25 mL
	Reagent B	25 mL
	EDTA Solution	2 x 1.5 mL
	Magnesium Standard	1 mL

Hazards Identification

Mixture of the following substances with non-hazardous additions.

Reagent A

2-amino-2-methyl-1-propanol (CAS #: 124-68-5)	<10.0%
Caffeine (CAS #: 58-08-2)	<0.60%
Thiourea (CAS #: 62-56-6)	<0.05%
Potassium chloride (CAS #: 7447-40-7)	<5.50%

Reagent B

Calmagite (CAS #: 3147-14-6)	<0.01%
EGTA (CAS #: 67-42-5)	<0.01%
Dimethyl sulfoxide (CAS #: 67-68-5)	<12.0%

EDTA Solution

EDTA (CAS #: 60-00-4)	<3.00%
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Standard

Magnesium Sulfate (CAS #: 7487-88-9)	<0.06%
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Health Hazard Data: irritant, corrosive and toxic. Harmful in contact with skin and eyes.

Avoid contact and inhalation. Standard laboratory safety procedures should be followed when handling this product. Safety procedures include wearing OSHA approved safety glasses, gloves and protective clothing.

First Aid Measures

If eye or skin contact occurs, immediately wash affected area with soap and copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician to seek medical advice.

If swallowed, wash out mouth with water provided person is conscious and call a physician to seek medical advice.

If inhaled, move individual to fresh air and call a physician to seek medical advice.

Fire Fighting Measures

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special firefighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards: emits toxic fumes under fire conditions.

Handling and Storage

Keep receptacles tightly sealed. Store Reagents, Standard and Control at 4°C.

Accidental Release Measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

Exposure Controls / Personal Protection

Keep away from foodstuffs and beverages. Wash hands before and after the work. Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

Stability and Reactivity

Thermal Decomposition: no decomposition if used according to specifications.

Dangerous Products of Decomposition: nitrogen and sulfur oxides.

Dangerous Reactions: avoid reaction with acid.

Toxicological Information

<i>Inhalation:</i>	Harmful if inhaled
<i>Ingestion:</i>	Harmful if swallowed
<i>Skin:</i>	Causes skin irritation
<i>Eyes:</i>	Causes eye irritation
<i>Target Organs /</i>	Respiratory system, nerves, heart
<i>Chronic Exposures:</i>	

Ecological Information

Do not allow product to reach ground water, water course, or sewage system.

Disposal Considerations

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Consult local, state or national regulations for proper disposal.

Other Information

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. BioAssay Systems shall not be held liable for any damage resulting from handling or from contact with the above product.