$MgCl_2$ Solution

Storage: RT, 1 year

Introduction:

MgCl2 solution, composed of magnesium chloride and ultra-pure water, is the basic component of a variety of scientific research reagents and is widely used. For example, magnesium chloride is widely used in polymerase chain reaction (PCR) buffers to supply magnesium ions. When genome-wide DNA is used, long fragment product synthesis, or during multiple reactions, Mg2+ concentration is the most critical parameter affecting PCR efficiency and specificity. The increased Mg2+ concentration improves the stability and amplification efficiency of prim-template duplex.

Cat No.	Product	Feature
IM9031	25 mM $MgCl_2$（Non-Sterile）	No special treatment
IM9033	1 M $MgCl_2$（Non-Sterile）	
IM9035	2 M $MgCl_2$（Non-Sterile）	
IM9030	25 mM $MgCl_2$（Sterile）	0.22μm filter membrane to remove bacteria
IM9032	1 M $MgCl_2$（Sterile）	
IM9034	2 M $MgCl_2$（Sterile）	
IM9020	25 mM $MgCl_2$（RNase free）	After the water was treated with DEPC and then filtered by 0.22μm filter membrane, no protease, DNase and RNase enzyme contamination was detected
IM9021	1 M $MgCl_2$（RNase free）	
IM9022	2 M $MgCl_2$（RNase free）	

Protocols (only for reference):

Please use according to specific experimental requirements.

Note:

1. Please use the reagent as soon as possible after opening, to avoid affecting the subsequent experiment results.
2. For your safety and health, please wear laboratory coats and disposable gloves when operating.
3. This reagent is only for use in the field of scientific research and is not suitable for clinical diagnosis or other purposes.
4. For customized products, please contact us.