

## **Lithium Chloride Solution (8M)**

(Cat# C8062; ready-to-use buffer; store at 4°C)

### **Introduction**

Lithium Chloride (LiCl) is used in medicine and scientific applications especially in RNA precipitation procedure.

ABS\_Bio™ ready-to-use Lithium Chloride Solution is formulated 8 M LiCl and 50 mM EDTA pH 8.0 colorless solutions for RNA isolation and in vitro transcription. The buffers can be diluted to the desired concentration and used in molecular biology or general biochemistry applications. DNase-, RNase-, phosphates and Protease-Free.

### **Kit Components**

Lithium Chloride Solution (8M): 100 mL Multiple size are available: 500-1000 mL

**Storage and Handling:** Store all of the components at 4°C. Shelf Life: 12 months after receipt.

### **Features for All of Solution & Buffers**

Formulated from analytical grade chemicals.

Ideal for standardizing laboratory work.

Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.

### **Applications**

- Molecular Biology and Biochemistry: RNA isolation and in vitro transcription, molecular biology, protein chemistry and biochemical applications

### **Protocol**

The buffer is filtered with 0.22 µm filter in sterile condition and it is ready to use.

To RNA precipitation

1. Bring the final concentration of LiCl in the RNA solution to 2.5 M.
2. Chill the solution at -20°C for 30 min.
3. Centrifuge at top speed in a microcentrifuge for 15 min.
4. Discard the supernatant, and wash the pellet with ice-cold 70% EtOH to remove residual salt.
5. Resuspend in nuclease-free water or TE buffer.

### **Related Products:**

TMB substrate solution(#C8010)	ELISA Blocking Buffer(5x 25mL; #C8002)
ELISA Washing Buffer(20x, 25mL; #C8003)	Antibody Dilution Buffer(#C8004)
Protein Loading Buffer(6x ; #C8005)	SDS-PAGE Running Buffer(10x ; #C8006)
Phosphate Buffered Saline (10x PBS, #C8007)	Phosphate Buffered Saline with Tween 20(10x PBS-T; #C8008)
Phosphate Buffered Saline(1xDPBS, #C8012)	PAGE-gel transfer buffer(10x, #C8014)
TAE Buffer(10x, #C8015)	TBE Buffer(10x, #C8016)
RIPA Buffer(#C8017)	Cell Lysis Buffer(#C8019)
TE Buffer(#C8020)	DNA Loading Buffer(#C8021)
TBST Buffer(#C8024)	TBST Blocking Buffer(#C8025)
Tris-Buffer(1 M pH 7.5, #C8027)	Tris-Buffer(1 M pH 8.0, #C8026)
HEPES Buffer(1 M pH 7.4, #C8028)	Ammonium Sulfate Solution (4 M pH 7.0 #C8043)
Magnesium Chloride Solution (1M, #C8061)	TE Buffer(1x, #C8020)