Certificate of Analysis

G-418 Sulfate, 50 mg/mL Solution, Sterile

Catalogue No: 450-130-**

Lot No: 450130155

Exp. Date: 08/2024

MSDS: Available upon request

Shipping: Ambient

Storage: Store at + 4°C. Protect from light and moisture.

Formula: $C_{20}H_{40}N_4O_{10} \bullet 2H_2SO_4$

F.W.: 496.50 (base), 692.70 (sulfate)

Active G-418: 50 mg/mL

TEST	SPECIFICATION	UNITS	RESULTS
Appearance	Clear Colorless to light yellow Solution	NA	Clear light yellow solution
pH	INFO	NA	5.36
Osmolality	INFO	mOsm/Kg water	169

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR DRUG USE.
The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling.

ADDITIONAL INFORMATION:
STABILITY: This liquid media has a data supporting a shelf life of 12 months when properly stored avoid freezing of this media, as it may cause precipitation upon thawing.

PREPARATION: Suggested working concentration: 300-1,000µg/mL. Add the appropriate amount of antibiotic to sterile media in order to obtain the required working concentration. Mix well and sterile filter (optional, reduces chances of contamination). Working concentration: selection of the proper working concentration is a balance between strong antibiotic effect and the concern for negative effects to the cells of importance. The working concentration should be varied above or below the suggested value to optimize for the cells.