

# SPECIFICATION

## Streptomycin Sulfate

for Molecular Biology

REQUIREMENT	SPECIFICATION
Appearance	White ~ slightly yellow, powder
Solubility in water	to pass test
Specific rotation $[\alpha]_{D20}(c=1, H_2O)$ (calculated on the dried basis)	-79~-88°
Loss on drying at 105°C	max.5.0%
Sulfate (SO <sub>4</sub> ) (calculated on the dried basis)	18.8~20.8%
Deoxyribonuclease	to pass test
Ribonuclease	to pass test
Potency (calculated on the dried basis)	min.718 $\mu$ g/mg