

# 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              |