

Code No.03-2613

SPECIFICATION

CHIR99021

for Cell Culture

| REQUIREMENT | SPECIFICATION |
|----------------------------------|--------------------------------------------|
| Appearance | White ~ brown, crystalline powder ~ powder |
| Solubility in dimethyl sulfoxide | to pass test |
| Assay (HPLC) | min.99.5% |
| Residual solvent | - |
| (1) Dichloromethane | max.600ppm |
| (2) Ethyl acetate | max.5000ppm |
| (3) Ethanol | max.5000ppm |
| (4) Methanol | max.3000ppm |
| (5) Toluene | max.890ppm |
| (6) N,N-dimethylformamide | max.880ppm |
| (7) Dimethyl sulfoxide | max.5000ppm |
| Bacterial endotoxins test | less than 0.25EU/mg |
| Mycoplasma test | to pass test |
| Viable count test | to pass test |