

Cat No. RCHEMD004 Lot No. R4M160316

MFG date 16 Mar 2016 *Store at -20°C, Performance guaranteed until Exp. Date
Expiration date Mar 2019

■ Properties and biological tests

Appearance	Transparent orange liquid
Aseptic test ⁽¹⁾	Negative (Day 14)
Mycoplasma ⁽²⁾	Negative
pH ⁽³⁾	7.34
Endotoxin	0.027 EU/mL
Osmotic pressure ⁽⁴⁾	338 mOsm/kg

⁽¹⁾Cultured using thioglycolic acid medium for aseptic test and SCD medium.

⁽²⁾Mycoplasma detection performed by PCR analysis.

⁽³⁾Measured after 12 hours incubation under conditions of 37°C and 5% CO₂.

⁽⁴⁾Measured using the freezing point depression method.

■ Culture test performed using human iPS cells**Methods**

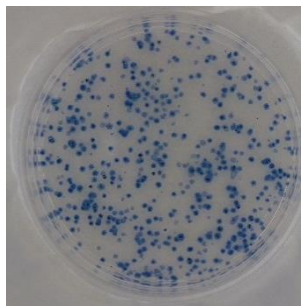
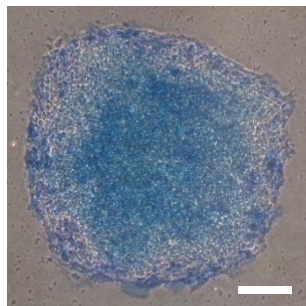
Human iPS cells (201B7; Takahashi, K. et al., *Cell*, 131, 861-72, 2007) were cultured in the Primate ES cell medium in the presence of feeder cells for 4 days.

After 4 passages, the cell morphology was observed.

Alkaline phosphatase activity was ascertained using the ALP substrate kit III (VECTOR).

Results

Alkaline phosphatase activity: Qualified



Scale: 250 µm