

**Cat No. RCHEMD005 Lot No. B01QA27**

**MFG date** 27 Apr 2017 \*Store at -20°C, Performance guaranteed until Exp. Date  
**Expiration date** Apr 2020

**■ Properties and biological tests**

<b>Appearance</b>	Transparent orange liquid
<b>Aseptic test <sup>(1)</sup></b>	Negative (Day 14)
<b>Mycoplasma <sup>(2)</sup></b>	Negative
<b>pH <sup>(3)</sup></b>	7.35
<b>Endotoxin</b>	0.009
<b>Osmotic pressure <sup>(4)</sup></b>	314 mOsm/kg

<sup>(1)</sup>Cultured using thioglycolic acid medium for aseptic test and SCD medium.

<sup>(2)</sup>Mycoplasma detection performed by PCR analysis.

<sup>(3)</sup>Measured after 12 hours incubation under conditions of 37°C and 5% CO<sub>2</sub>.

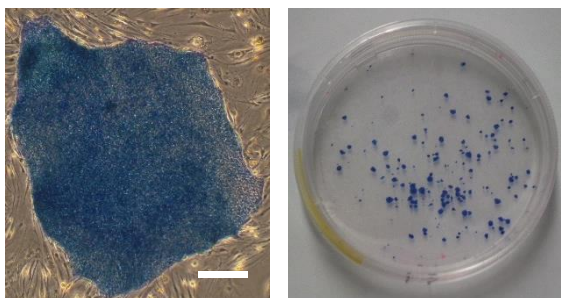
<sup>(4)</sup>Measured using the freezing point depression method.

**■ 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 Repro Stem medium 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