

**Cat No. RCHEMD005 Lot No. R5M160210****MFG date 10 Feb 2016**

\*Store at -20°C, Performance guaranteed until Exp. Date

**Expiration date Feb 2019****■ 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>               | 7.30                      |
| <b>Endotoxin</b>                       | 0.024                     |
| <b>Osmotic pressure <sup>(4)</sup></b> | 320 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>.

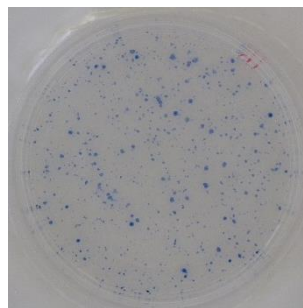
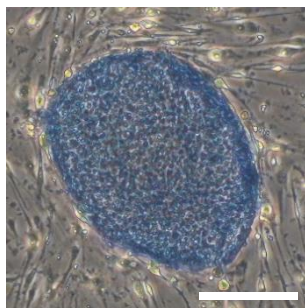
<sup>(4)</sup>Measured using the freezing point depression method.

**■ 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