Properties and biological tests

<table>
<thead>
<tr>
<th>Property</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Transparent orange liquid</td>
</tr>
<tr>
<td>Aseptic test (1)</td>
<td>Negative (day 14)</td>
</tr>
<tr>
<td>Mycoplasma (2)</td>
<td>Negative</td>
</tr>
<tr>
<td>pH (3)</td>
<td>7.30</td>
</tr>
<tr>
<td>Endotoxin</td>
<td>0.008EU/mL</td>
</tr>
<tr>
<td>Osmotic pressure (4)</td>
<td>329 mOsm/kg</td>
</tr>
</tbody>
</table>

(1) Cultured using thioglycolic acid medium for aseptic test and SCD medium
(2) Tested by PCR for the detection of mycoplasma.
(3) Measured after 12 h 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 with MEF feeder cells for 4 days. After 3 passages, the cell morphology were observed. Alkaline phosphatase activity was ascertained using the ALP substrate kit III (vector).

Results

Alkaline phosphatase activity: Qualified