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**Protocol Section:** Media **Policy No:** P-CMMR5-EBSS-00  
**Protocol Subject:** Earle's Balanced Salt Solutions **Effective Date:**  
**Date Reviewed:** 6 January 2003  
**Date Revised:**

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### EBSS

EBSS	100 ml	200 ml	Molarity
CaCl <sub>2</sub> .2H <sub>2</sub> O	265 mg	530 mg	18 mM
KCl	400 mg	800 mg	53.6 mM
MgSO <sub>4</sub> .7H <sub>2</sub> O	200 mg	400 mg	8.11 mM
NaCl	6800 mg	13600 mg	1.16 M
NaH <sub>2</sub> PO <sub>4</sub>	125 mg	250 mg	10.4 mM
Glucose	1000 mg	2000 mg	55.5 mM

Calcium dihydrate should be dissolved first in a separate container with millipore H<sub>2</sub>O.  
 Add the CaCl<sub>2</sub> last after all the other chemicals have dissolved.

1. Freshly prepare 10 ml of 10% FBS in MEM by measuring 1.0 ml FBS into 9.0 ml MEM.
2. Freshly prepare 4 ml of 1.5 M DMSO by measuring 0.426 ml DMSO into 3.574 ml MEM supplemented with 10% FBS. Filter and use freshly.

**Issued by Lab Manager:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved by Facility Management:** \_\_\_\_\_ **Date:** \_\_\_\_\_