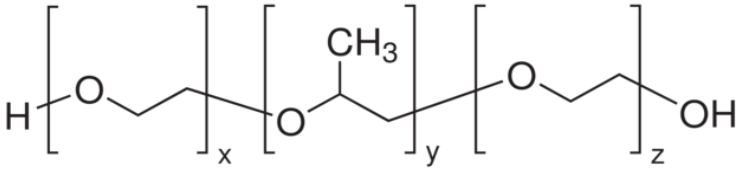
CLAIMS

1. A poloxamer composition for in vitro cell culture in chemically defined cell culture medium, the composition comprising a poloxamer having the formula I:



I

wherein y is 15 to 26; the sum of x and z is from 81 to 100; and the poloxamer has an average molecular weight in the range of 6,000 g/mol to 8,000 g/mol.

2. The composition of claim 1, wherein y is 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, or 26.

3. The composition of claims 1 or 2, wherein the sum of x and z is 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, or 100.

4. The composition of any of claims 1-3, wherein the composition comprises the poloxamer having an average molecular weight of from 6,000 g/mol to 7,600 g/mol.

5. The composition of any of claims 1-4, wherein the composition has an average molecular weight of 6,000 g/mol, 6,200 g/mol, 6,400 g/mol, 6,600 g/mol, 6,800 g/mol, 7,000 g/mol, 7,200 g/mol, 7,400 g/mol, 7,600 g/mol, 7,800 g/mol, or 8,000 g/mol.

6. Use of the composition of any of claims 1-5 in cell culture.