

CM3000 — Thawing/Plating Supplement Pack

For use with: Williams E Medium (WEM, A1217601)

Applications: Thawing and plating cryopreserved hepatocytes, plating fresh hepatocytes

Contents: (concentrations in parenthesis)	Final concentrations:
→ Fetal Bovine Serum	(5%)
→ Dexamethasone in DMSO (10 mM)	(1 μ M)
→ Thawing/Plating Cocktail — A, containing (18 mL total volume):	
• 5.0 mL Penicillin/Streptomycin (10,000 U/mL / (10,000 μ g/mL)	(1%)
• 500 μ L Human Recombinant Insulin (4 mg/mL)	(4 μ g/ml)
• 5.0 mL GlutaMAX™ (200 mM/100 X)	(2 mM)
• 7.5 mL HEPES, pH 7.4 (1M)	(15 mM)

Directions for supplementing medium * :

- To 500 ml medium, add:
 - Entire contents of Fetal Bovine Serum tube (25 mL)
 - 50.0 μ L Dexamethasone in DMSO
 - Entire contents of Thawing/Plating Cocktail — A (18 mL)

CM4000 — Cell Maintenance Supplement Pack

For use with: Williams E Medium (WEM, A1217601)

Applications: Incubation medium for cells in suspension, maintenance of cultured hepatocytes

Contents: (concentrations in parenthesis)	Final concentrations:
→ Dexamethasone in DMSO (10 mM)	(0.1 μ M)
→ Cell Maintenance Cocktail — B, containing (20 mL total volume):	
• 2.5 mL Penicillin/Streptomycin (10,000 U/mL / (10,000 μ g/mL)	(0.5%)
• 5.0 mL ITS+	
○ human recombinant insulin (0.625 mg/mL)	(6.25 μ g/ml)
○ human transferrin (0.625 mg/mL)	(6.25 μ g/ml)
○ selenous acid (0.625 μ g/mL)	(6.25 ng/ml)
○ bovine serum albumin (BSA) - (0.125 g/mL)	(1.25 mg/ml)
○ linoleic acid (0.535 mg/mL)	(5.35 μ g/mL)
• 5.0 mL GlutaMAX™ (200 mM/100 X)	(2 mM)
• 7.5 mL HEPES, pH 7.4 (1M)	(15 mM)

Directions for supplementing medium * :

- To 500 ml medium, add:
 - 5.0 μ L Dexamethasone in DMSO
 - Entire contents of Cell Maintenance Cocktail — B (20 mL)

*To extend life of these products, we recommend supplementing small aliquots of medium just prior to use. Remaining medium, cocktail or dexamethasone should be stored at 4°C for up to twelve months or up to expiration date listed on bottle. Remaining serum should be stored at -20°C.

Questions? Please contact us at 1-866-952-3559.

Table 1 — Volumes of cocktail A and supplements for supplementing aliquots.

WEM	Cocktail A	FBS	Dex
50 mL	1.8 mL	2.5 mL	5 μ L
100 mL	3.6 mL	5 mL	10 μ L
200 mL	7.2 mL	10 mL	20 μ L
300 mL	10.8 mL	15 mL	30 μ L
400 mL	14.4 mL	20 mL	40 μ L
500 mL	18 mL	25 mL	50 μ L

Table 2 — Volumes of cocktail B and supplements for supplementing aliquots.

WEM	Cocktail B	Dex
50 mL	2 mL	0.5 μ L
100 mL	4 mL	1 μ L
200 mL	8 mL	2 μ L
300 mL	12 mL	3 μ L
400 mL	16 mL	4 μ L
500 mL	20 mL	5 μ L