

Standard Media Formulations – Perry Lab

(Greg A. Perry, Ph.D.)

100 ml Formulations

	Stock Concentration	RF10	RF10-M	RF5-M	FH20	DF10
Base Media		RPMI 1640	RPMI 1640	RPMI 1640	Fishers	D-MEM
Media (ml)	1x	86	86	91	78	85
Pen-Strep (ml)	10,000 U-ug/ml	1	1	0.5	1	1
L-glutamine (ml)	200 mM	1	1	1	1	1
Fetal Calf Serum (ml)	1x	10	10	5	--	10
Horse Serum (ml)	1x	--	--	--	29	--
2-ME (ml)	5×10^{-2} M	--	0.1	0.1	--	--
Hepes Buffer (ml)	1 M	2	2	2	--	2
D-glucose (ml)	4.5 g/ml	--	--	--	--	1
Hydrocortisone (ml)	10^{-3} M	--	--	--	0.1	--
Uses		General	General Mitogens MLC's	Whitlock / Witte Cultures	Dexter Cultures	Hybridomas

500 ml Formulations

	Stock Concentration	RF10	RF10-M	RF5-M	FH20	DF10
Base Media		RPMI 1640	RPMI 1640	RPMI 1640	Fishers	D-MEM
Media (ml)	1x	430	430	455	390	425
Pen-Strep (ml)	10,000 U-ug/ml	5	5	2.5	5	5
L-glutamine (ml)	200 mM	5	5	5	5	5
Fetal Calf Serum (ml)	1x	50	50	25	--	50
Horse Serum (ml)	1x	--	--	--	145	--
2-ME (ml)	5×10^{-2} M	--	0.5	0.5	--	--
Hepes Buffer (ml)	1 M	10	10	10	--	10
D-glucose (ml)	4.5 g/ml	--	--	--	--	5
Hydrocortisone (ml)	10^{-3} M	--	--	--	0.5	--
Uses		General	General Mitogens MLC's	Whitlock / Witte Cultures	Dexter Cultures	Hybridomas