

<b>Composition and Preparation of 12x PM Additive Solutions</b>							
<b>Ingredients</b>	<b>Stock Conc.</b>	<b>Conc. in PM Additive (12x)</b>	<b>Vol. of solutions required for each plate type</b>				
			<b>PM1,2</b>	<b>PM3,6,7,8</b>	<b>PM4</b>	<b>PM5</b>	<b>PM9+</b>
Tricarballic acid (pH7.1)	800mM	240mM	-	6ml	6ml	6ml	-
MgCl <sub>2</sub> , 6H <sub>2</sub> O CaCl <sub>2</sub> , 2H <sub>2</sub> O	240mM 120mM	24mM 12mM	2ml	2ml	2ml	2ml	2ml
L-arginine, HCl L-glutamic acid	3mM 6mM	300µM 600µM	2ml	-	2ml	-	-
b-NAD, Na hypoxanthine uracil L-cystine (pH8.5)	0.2mM 1mM 1mM 1mM	60µM 300µM 300µM 300µM	6ml	6ml	-	-	-
Yeast extract	0.6%	0.06%	2ml	2ml	2ml	-	2ml
Tween 80	0.6%	0.06%	2ml	2ml	2ml	-	2ml
D-glucose Pyruvate, Na	300mM 600mM	30mM 60mM	-	2ml	2ml	2ml	2ml
Sterile water	N/A	0 – 60ml	6ml	-	4ml	10ml	12ml
Total volume			20ml	20ml	20ml	20ml	20ml
<b>Recipe for 1x PM Inoculating Fluids from Stock Solutions</b>							
<b>PM Stock Solution</b>			<b>PM1,2</b>	<b>PM3,6,7,8</b>	<b>PM4</b>	<b>PM5</b>	<b>PM9+</b>
IF-0a GN/GP (1.2x)			20.0ml	40ml	10ml	10ml	-
IF-10b GN/GP (1.2x)			-	-	-	-	110ml
Dye Mix G (100x)			0.24ml	0.48ml	0.12ml	0.12ml	1.32ml
PM additive (12x)			2.0ml	4.0ml	1.0ml	1.0ml	11.0ml
Hi cells (turbidity)			65%	65%	65%	65%	65%
Total volume (up to)			24.0ml	48.0ml	12.0ml	12.0ml	132.0ml