

	Half Tray	One Tray	Two Trays		Half Tray	One Tray	Two Trays
Solution I	300 mL	500 mL	950 mL	RNAse	400 L	750 L	1.5 mL
Solution II	300 mL	500 mL	900 mL	2% BMB	140 mL	200 mL	350 mL
Solution III	240 mL	400 mL	800 mL	Ab Block	70 mL	100 mL	175 mL
MBST	2.0 L	2.5 L	4.5 L	Ab Diluent	70 mL	100 mL	175 mL

Solution I	Half Tray	One Tray	Two Trays	Aliquot mL	Hot Wash -- 65°C water bath
formamide	150	250	475	30	Solution I: II Half: 25:25 mL One: 50:50 mL Two: 100:100 mL
SSC 20x 4.5 pH	60	100	190	12	
10% SDS	30	50	95	6	
Water	60	100	190	12	
Total	300	500	950	60	

Solution III	Half Tray	One Tray	Two Trays	Aliquot mL	Hot Wash -- 65°C water bath
formamide	120	200	400	30	
SSC 20x 4.5 pH	24	40	80	6	
10% SDS	4.8	8	16	1.2	
Water	91.2	152	304	22.8	
Total	240	400	800	60	

Solution II	Half Tray	One Tray	Two Trays	Aliquot mL	Room Temperature
5M NaCl	30	50	90	12	
1M Tris pH 7.5	3.00	5.00	9.00	1.20	
Tween 20	0.30	0.50	0.90	0.12	
Water	266.70	444.50	800.10	106.68	
Total	300	500	900	120	

MBST	Half Tray	One Tray	Two Trays	
Maleic Acid	23.2 g	29.0 g	52.2 g	pH to 7.50
NaCl 5M	60 mL	75 mL	135 mL	
Tween 20	2 mL	2.5 mL	4.5 mL	
NaOH	15.0 g	18.75 g	33.75 g	
Water	Fill	Fill	Fill	
Total	2 L	2.5 L	4.5 L	

RNAse	Half Tray	One Tray	Two Trays
Stock (10 mg/mL)	400 L	750 L	1.5 mL
Solution II	7.6 mL	14.25 mL	28.5 mL
Total	8 mL	15 mL	30 mL

2% BMB	Half Tray	One Tray	Two Trays
MBST	140 mL	200 mL	350 mL
Blocking Reagent	2.8 g	4 g	7 g
Total	140 mL	200 mL	350 mL

Ab block (10%)	Half Tray	One Tray	Two Trays
2% BMB	63 mL	90 mL	157.5 mL
Sheep Serum	7 mL	10 mL	17.5 mL
Total	70 mL	100 mL	175 mL

Ab diluent (1%)	Half Tray	One Tray	Two Trays
2% BMB	69.3 mL	99 mL	173.25
Sheep Serum	700 L	1 mL	1.75 mL
Total	70 mL	100 mL	175 mL

Conical 5x	Half Tray	One Tray	Two Trays
Ab Diluent	7.5 mL	15 mL	30 mL
Anti-Body (G8)	7.5 L	15 L	30 L