

Sr. No.	Medium / Buffer Name	Composition	
		Contents	Amount
1	MEF Medium	DMEM High glucose	
		FCS	10%
		Penicillin	100 units/ml
		Streptomycin	100 µg / ml
		L- Glutamine	2 mM
2	H9 Culture Medium	DMEM F12	
		KOSR	20%
		NEAA	1%
		Glutamax	1 X
		β Mercaptoethanol	0.1 mM
		Penicillin	100 units/ml
		Streptomycin	100 µg / ml
3	RD Medium	bFGF	4 ng /ml
		H9 culture medium without bFGF	
4	Wash Medium	DMEM/F12	
		Knockout Serum Replacment	20%
		1x GlutaMAX	1 X
		MEM non-essential amino acids	
		HEPES	15mM
5	KCM Medium	β-Mercaptoethanol	90 µM
		DMEM	
		FBS	10%
6	Knockout Serum Replacement (KSR)	incubated for 24h on MEFs	
		Knockout DMEM/F12	
		Knockout serum replacement	15%
		1x GlutaMAX	
		1x MEM non-essential amino acids	
		β-Mercaptoethanol	15 µM
		Noggin	35 ng/ml
7	N2-S	Dorsomorphin	600 nM
		SB431542	10 µM
		DMEM/F-12	
		Apotransferin	100 µg/ml
		Glucose	1.55 mg/ml
		Putrescine	10 mM
		Selenium	500 µM
8	L 1 Buffer	Progesteron	20 µM
		GlutaMAX	200 µM
		Insulin	25 µg/ml
		Tris pH 8	50 mM
9	L2 Buffer	EDTA	2 mM
		NP-40	0.10%
		Glycerol	10%
		Tris pH 8	50 mM
10	Elution Buffer	SDS	1%
		NaHCO ₃	100 mM
11	Wash Buffer	Tris	20 mM
		EDTA	2 mM
		SDS	0.10%
		NP-40	0.50%
		NaCl	150 mM
12	Final Wash Buffer	Tris	20 mM
		EDTA	2 mM
		SDS	0.10%
		NP-40	0.50%
13	Stem Cell Medium	NaCl	500 mM
		mTESAR™ basal medium	400 ml
		mTESAR™ supplement	100 ml