

Cell source	Pre-reprogramming media	Reprogramming protocol, viral infection, small molecules and medium																Reference			
		d0	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	3w		4w	5w	6w
CF, TTF	DMEM, 10% FBS	Infection									Flow						Ca ²⁺ flux	Beating		Ieda et al., 2010	
			iCM medium (high glucose DMEM/M199(4:1), 10% FBS)																		
CF, MEF	DMEM, 10% FBS	Infection									Flow							Ca ²⁺ flux / Beating		Muraoka et al., 2014	
HCF			iCM medium																		
CF	IMDM, 20% FBS	Infection	SB431542	XAV939								Beating				Flow		Ca ²⁺ flux		Mohamed et al., 2017	
			iCM medium, NEAA, sodium pyruvate, Glutamax																		
HCF	IMDM, 20% FBS	Infection	SB431542	XAV939													Flow/Ca ²⁺ flux				
			iCM, NEAA, sodium pyruvate, Glutamax			iCM:RPMI+B27 (3:1)			iCM:RPMI+B27 (1:1)			iCM:RPMI+B27 (3:1)			iCM						
MEF, TTF	DMEM, 10% FBS	Infection																Beating		Yamakawa et al., 2015	
	IMDM, 20% FBS		iCM medium																		
			FFV medium (StemPro-34, Glutamax, ascorbic acid, FGF2, FGF10, VEGFA)																		
TTF	IMDM, 20% FBS	Infection		one dose diclofenac d0-d4														Flow	Beating	Muraoka et al., 2019	
			iCM medium																		
			FFV medium																		
CF	IMDM, 15% FBS	Infection		puromycin								Flow								Wang et al., 2014	
			iCM medium																		
CF, TTF	DMEM, 15% FBS	Infection														Flow		Flow	Beating	Song et al., 2012	
	iCM, 15% FBS		Cardiac induction medium (DMEM/199 (4:1), 10% FBS, 5% horse serum, NEAA, EAAs, B-27, ITS, vitamin mixture, sodium pyruvate), 10% conditioned medium obtained from neonatal rat/mouse CM culture																		
MEF	DMEM, 10% FBS	Infection 1 & 2										Flow				Flow		Flow / Beating		Zhou et al., 2015	
CF, TTF			Cardiac induction medium, 10% conditioned medium obtained from neonatal rat/mouse CM culture																		
MEF, CF, TTF		Infection 1 & 2														Ca ²⁺ flux / Beating					
	DMEM, 10% FBS		Cardiac induction medium																		
HCF		Infection															Flow			Garry et al., 2021	
			iCM, NEAA			iCM:RPMI+B27 (3:1)			iCM:RPMI+B27 (1:1)			iCM:RPMI+B27 (1:3)			RPMI+B27+FFV						
MEF, TTF	DMEM, 10% FBS	Infection										Flow				Flow		Flow / Beating		Nam et al., 2014	
			Cardiac induction medium, 10% conditioned medium obtained from neonatal rat/mouse CM culture																		
MEF	DMEM, 10% FBS	Infection 1 & 2																Flow / Beating		Zhang et al., 2019, 2021	
			Cardiac induction medium, SB431542, A83-01																		
H9F	DMEM, 10% FBS	Infection														Flow		Ca ²⁺ flux	AP (10w)	Fu et al., 2013	
HCF, HDF			iCM medium, NEAA																		
			RPMI+B27																		
HFF, AHCF, AHDF	DMEM, 10% FBS	Infection 1 & 2																Flow	Ca ²⁺ (8w)	Nam et al., 2013	
			Cardiac induction medium, 10% conditioned medium obtained from neonatal rat CM culture																		
HCF, HDF	IMDM, 20% FBS	Infection																Flow/Ca ²⁺		Wada et al., 2013	
			iCM medium																		
H9F, HCF	DMEM, 20% FBS	Infection				puromycin 1ug/ml										Flow		Ca ²⁺ flux		Garbutt et al., 2020	
			iCM medium									hiCM medium (RPMI1640, B27, 2% FBS, 0.05% BSA, ascorbic acid 2-phosphate, Glutamax, NEAA)									
MEF, CF	DMEM, 15% FBS	transfecto			JAK inhibitor I (5-8 days)											Flow				Jayawardena et al., 2012	
			DMEM, 15% FBS																		
MEF, TTF	DMEM, 15%FBS, Glutamax, NEAA		CHIR99021 (C), RepSox (R), Forskolin (F), VPA (V), Pamate (P), TTNPB (T)													Beating (d16)		Fu et al., 2015			
			CRM (DMEM, 15% FBS, 5% KSR, N2, B27, Glutamax, NEAA, 2ME, ascorbic acid 2-phosphate)																		
			CRM (DMEM, 15% FBS, 5% KSR, N2, B27, Glutamax, NEAA, 2ME, ascorbic acid 2-phosphate) (d22-24)																		
HFF	DMEM, 10%FBS, Glutamax, NEAA		CHIR99021, BIX01294, AS8351, SC1, Y27632, OAC2, SU16F, JUN10198409, A8301									CHIR99021, BMP4, activin A, VEGFA							Cao et al., 2016		
HLF			DMEM, 5% FBS, 10% KSR, ITS, ascorbic acid 2-phosphate, 2ME, Glutamax, NEAA									RPMI+B27 without insulin, Glutamax, 1TG						hiCM medium			