



DENTAL BANKING

Preserving dental pulp stem cells for regenerative purposes

Dental pulp stem cell



Stem cells are derived from avulsed/exfoliated or extraxcted teeth



Stem cell verification and viability testing using flow cytometry

STORAGE MEDIA			
Natural		Synthetic	
GOOD ACCESSIBILITY	POOR ACCESSIBILITY	GOOD ACCESSIBILITY	POOR ACCESSIBILITY
Milk	Red mulberry	Normal saline	Autologous serum
Coconut water	Propolis extract	Galectin	Propolis
Egg white	Green tea	Contact lens solution	HBSS
Water	Honey	ORS	Cryoprotectants
Saliva	Saliva extract	Rice	Culture media
			Organ storage
			Reconstituted into
			Additives

avulsed or extracted tooth are transported to dental bank in suitable media



These stem cells can be used for regenerative purposes



Freezing and cryopreservation at about -80 degree celsius