

STEM CELL COMPARISON CHART

EMBRYONIC	PLURIPOTENT (Discovered this past year)	“ADULT”	UMBILICAL/PLACENTAL
	How Obtained		
By killing a 5 day old human embryo	From your own skin cells	From your own body cells	Usually from same human
	Tissue Compatibility		
Different DNA-can be rejected as foreign tissue	These are your own cells and will not be rejected	These are your own cells and will not be rejected	Same human – no rejection Other human – rare rejection
	Infection		
If donor has infection, it will be transmitted	You cannot infect yourself	You cannot infect yourself	Possible but rare
	Tumors		
These can and do form multi-cellular tumors	These do not form tumors	These do not form tumors	These do not form tumors
	Feasibility		
-More expensive -More complicated	-Cheaper -Easier to do	-Cheaper -Easier to do	-Cheaper -Easier to do
	Morality		
Immoral – it kills a human	Completely ethical	Completely ethical	Completely ethical
	Success		
Not one human cure to date and future ones are questionable	Too early for any reports but fully expect cures Will replace embryonic	Over 80 human diseases and conditions have been cured	Many human diseases and conditions have been cured