

Comparison of data fields in cell bank databases

Group	consolidated (CCONT)	description	ATCC	DSMZ	ECACC	ICLC	Riken	Color legend:
ID	cell line (name)	Name of cell line	Designations	Cell line:	Cell Line Name:	Cell line name	(table head)	Field present in db
Origin	Origin	origin of tissue cell line was established from (e.g. 8-year-old black boy in 1976)		Origin (freetext, used for multiple data entities)	see cell line description			Field used for multiple purposes
	Species	Species of origin	Organism:	Species	Species:	see description	Animal	Field not present
	Age	Age of origin	Age	see Origin	see cell line description	see description	Age	
	Sex	Gender of origin	Gender	see Origin	see cell line description	see description	Sex	
	Ethnicity	ethnicity (for human cell lines)	Ethnicity	see Origin	see cell line description	see description	Subspecies	
	Strain	strain (e.g. mouse cell line)	Source / Strain	see Origin	see cell line description			
	organ		Source / Organ		Tissue:	see description	tissue	
	disease		Source / Disease	Cell type:	Keywords	see description	Comment	
cell line properties	Growth mode	cell growth mode (adherent, suspension)	Growth Properties:		Growth Mode:	Morphology and growth	Anchored	
	Morphology	Cell morphology (e.g. epithelial)	Morphology:	Morphology	Morphology:	Morphology and growth	Morphology	
	cellular products	substances produced by cells	Cellular Products:	see Origin	Products:	Properties		
	Cytogenetics		Cytogenetic Analysis:	Cytogenetics	Karyotype:		Chr distrb	
	DNA fingerprint		DNA Profile (STR):	Fingerprint		Validation assays		
	biosafetiy level		Biosafety Level	Biosafety level	Cell Line Description			
	Viruses			Viruses			Virus	
	Mycoplasma			Mycoplasma		Sterility	Mycoplasma	
		verbal description			see Origin	Cell Line Description (freetext, used for multiple data entities)	Brief description (freetext, used for multiple data entities)	
		verbal description					Description (freetext, used for multiple data entities)	
Propagation	Medium	Medium for cell propagation	Propagation (freetext, used for multiple data entities)	Medium (freetext, used for multiple data entities)	Culture medium (freetext, used for multiple data entities)	Culture conditions (freetext, used for multiple data entities)	Medium	
	Supplements	Supplements necessary for propagation	see propagation	see medium	see culture medium	see culture conditions	Antibiotics	
	Temperature	Incubation temperature	Propagation / temperature	Incubation (freetext, used for multiple data entities)	see subculture routine	see culture conditions	Growth temp	
	Atmosphere	Incubation atmosphere (air, %CO2)	Propagation / atmosphere	see incubation	see subculture routine	see culture conditions	CO2 concentration	
	Subcultivation	Protocol for sub cultivation	Subculturing:	Subculture	Subculture Routine:		Passage method	