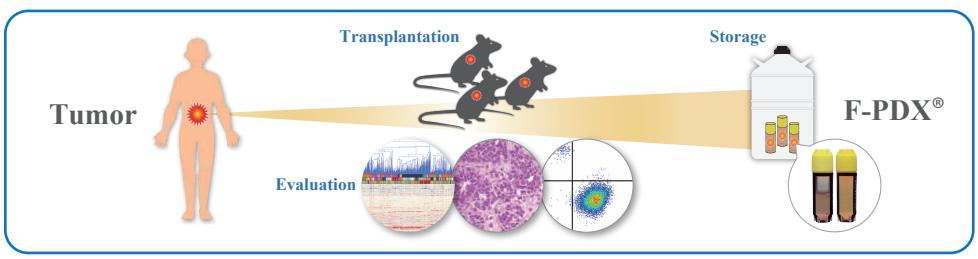


Fukushima PDX® line up

1. Features of Fukushima PDX (F-PDX®)

- Histopathological examination
- Comprehensive gene expression profile
- Genome analysis
- Duration from transplantation to engraftment
- Tumor growth rate
- Clinical information for the source tumor tissue



2. F-PDX® line up

Hematopoietic Tumors

Line Name	Diagnosis	Line Name	Diagnosis	Line Name	Diagnosis
Lymphocytic leukemia: 57					
DLEU001	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU043	Precursor lymphoid neoplasms	DLEU066	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU002	B-lymphoblastic leukemia/lymphoma with t(1; 19)(q23; p13.3); TCF3-PBX1	DLEU044	Precursor lymphoid neoplasms	DLEU067	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU003	B-lymphoblastic leukemia/lymphoma with hyperdiploidy	DLEU045	Precursor lymphoid neoplasms	DLEU068	B-lymphoblastic leukemia/lymphoma with hyperdiploidy
DLEU004	B-lymphoblastic leukemia/lymphoma with t(9; 22)(q34.1; q11.2); BCR-ABL1	DLEU046	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU069	B-lymphoblastic leukemia/lymphoma with hyperdiploidy
DLEU005	T-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU047	B-lymphoblastic leukemia/lymphoma with hyperdiploidy	DLEU070	T-lymphoblastic leukemia/lymphoma (T-ALL/LBL)
DLEU006	T-lymphoblastic leukemia/lymphoma (T-ALL/LBL)	DLEU048	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU071	B-lymphoblastic leukemia/lymphoma with hyperdiploidy
DLEU007	T-lymphoblastic leukemia/lymphoma (T-ALL/LBL)	DLEU049	B-lymphoblastic leukemia/lymphoma with hyperdiploidy	DLEU072	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU009	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU050	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU073	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU010	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU052	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU074	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU012	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU053	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU075	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU015	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU054	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU076	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU016	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU055	B-lymphoblastic leukemia/lymphoma with t(9; 22)(q34.1; q11.2); BCR-ABL1	DLEU077	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)
DLEU025	T-lymphoblastic leukemia/lymphoma (T-ALL/LBL)	DLEU056	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU078	Precursor lymphoid neoplasms
DLEU023	B-lymphoblastic leukemia/lymphoma with hyperdiploidy	DLEU057	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)		
DLEU032	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU058	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)		
DLEU033	B-lymphoblastic leukemia/lymphoma with hyperdiploidy	DLEU059	T-lymphoblastic leukemia/lymphoma (T-ALL/LBL)		
DLEU034	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU060	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)		
DLEU036	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1	DLEU061	B-lymphoblastic leukemia/lymphoma with hyperdiploidy		
DLEU038	Mature B-cell neoplasms	DLEU062	B-lymphoblastic leukemia/lymphoma with hyperdiploidy		
DLEU039	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)	DLEU063	B-lymphoblastic leukemia/lymphoma with hyperdiploidy		
DLEU041	Precursor lymphoid neoplasms	DLEU064	B-lymphoblastic leukemia/lymphoma with t(12; 21)(p13.2; q22.1); ETV6-RUNX1		
DLEU042	Precursor lymphoid neoplasms	DLEU065	B-lymphoblastic leukemia/lymphoma (B-ALL/LBL)		
Myeloid leukemia: 15					
DLEU011	Acute monoblastic/monocytic leukemia (FAB M5)			DLEU019	Acute myelomonocytic leukemia (FAB M4)
DLEU014	Acute myelomonocytic leukemia (FAB M4)			DLEU017	Acute monoblastic/monocytic leukemia (FAB M5)
DLEU018	AML, NOS			DLEU021	AML, NOS
DLEU020	Acute monoblastic/monocytic leukemia (FAB M5)			DLEU022	Acute leukemias of ambiguous lineage
DLEU023	AML, NOS			DLEU024	AML with myelodysplasia-related changes
DLEU026	Acute myelomonocytic leukemia (FAB M4)			DLEU027	Acute myelomonocytic leukemia (FAB M4)
DLEU030	AML, NOS			DLEU033	AML, NOS
DLEU035	Myeloid leukemia associated with Down syndrome; Acute megakaryoblastic leukemia (FAB M7)			DLEU039	Acute monoblastic/monocytic leukemia (FAB M5)
DLEU040	AML, NOS			DLEU043	Plasma cell myeloma (PCM)
Multiple myeloma: 1					
DLEU029	Mixed phenotype acute leukemia (MPAL), T/myeloid, NOS			Others: 3	
DLEU028	Acute leukemia of ambiguous lineage			DLEU025	NK-lymphoblastic leukemia/lymphoma; AML, NOS
DLEU022	Acute leukemia of ambiguous lineage			DLEU028	Acute leukemia of ambiguous lineage
DLEU029	Mixed phenotype acute leukemia (MPAL), T/myeloid, NOS			DLEU029	Mixed phenotype acute leukemia (MPAL), T/myeloid, NOS

Solid Tumors

Line Name	Histopathological findings of F-PDX	Line Name	Histopathological findings of F-PDX	Line Name	Histopathological findings of F-PDX	Line Name	Histopathological findings of F-PDX				
Brain tumor: 9											
DMEN001	Anaplastic meningioma	DAN001	Tubular adenocarcinoma	Uterine corpus cancer: 45							
DMEN002	Anaplastic meningioma	Bile duct cancer: 2									
DGL001	Glioblastoma	DBIL001	Adenocarcinoma								
DGL002	Glioblastoma	DBIL002	Adenocarcinoma								
DGL003	Glioblastoma	Gallbladder cancer: 2									
DGL004	Glioblastoma	DGBC001	Adenocarcinoma with squamous differentiation								
DGL005	Glioblastoma	DGBC002	Adenocarcinoma								
DGL006	Glioblastoma	Pancreatic cancer: 6									
DGL007	Glioblastoma	DPAN001	Adenocarcinoma								
Laryngeal cancer: 1											
DLAR001	Squamous cell carcinoma	DPAN002	Adenocarcinoma	Ovarian cancer: 26							
Lung cancer: 21											
DLUN001	Squamous cell carcinoma	DPAN003	Adenocarcinoma								
DLUN002	Squamous cell carcinoma	DPAN004	Adenocarcinoma, moderately differentiated type (mod)								
DLUN003	Squamous cell carcinoma	DPAN005	Adenocarcinoma								
DLUN004	Squamous cell carcinoma	DPAN006	Adenocarcinoma								
DLUN005	Small cell carcinoma	Kidney cancer: 4									
DLUN006	Papillary adenocarcinoma	DKID001	Clear cell renal cell carcinoma								
DLUN007	Squamous cell carcinoma	DKID002	Clear cell renal cell carcinoma								
DLUN008	Squamous cell carcinoma	DKID003	Clear cell renal cell carcinoma								
DLUN009	Adenocarcinoma	DKID004	Clear cell renal cell carcinoma	Fallopian tube cancer: 2							
DLUN010	Keratinizing squamous cell carcinoma	DTES001	Choriocarcinoma								
DLUN011	Adenosquamous carcinoma	Testicular tumor: 1									
DLUN012	Colloid adenocarcinoma	DTE001	Choriocarcinoma								
DLUN013	Undifferentiated carcinoma	Breast cancer: 2									
DLUN014	Papillary adenocarcinoma	DMA001	Spindle cell carcinoma [Subtype] Triple-negative								
DLUN015	Adenocarcinoma	DMA002	Poorly differentiated adenocarcinoma								
DLUN016	Undifferentiated carcinoma	Peritoneal cancer: 4									
DLUN017	Poorly differentiated adenocarcinoma or undifferentiated carcinoma	DPER001	Serous papillary carcinoma								
DLUN018	Adenocarcinoma	DPER002	Serous papillary carcinoma								
DLUN019	Adenocarcinoma	DPER003	Serous papillary carcinoma								
DLUN020	Colloid adenocarcinoma	DPER004	Serous papillary carcinoma	Sarcoma: 21							
DLUN021	Adenocarcinoma	Mesothelioma: 2									
Esophageal cancer: 1											
DESO001	Adenocarcinoma	DME001	Malignant mesothelioma								
Gastric cancer: 2											
DGAS001	Tubular adenocarcinoma (tub)	DGAS002	Malignant mesothelioma								
DGAS002	Adenocarcinoma	Cervical cancer: 22									
Colorectal cancer: 16											
DCOL001	Tubular adenocarcinoma (tub)	DCE001	Squamous cell carcinoma								
DCOL002	Adenocarcinoma	DCE002	Squamous cell carcinoma, nonkeratinizing type								
DCOL003	Adenocarcinoma	DCE003	Adenocarcinoma								
DCOL004	Adenocarcinoma	DCE004	Squamous cell carcinoma, nonkeratinizing type								
DCOL005	Adenocarcinoma	DCE005	Squamous cell carcinoma								
DCOL006	Adenocarcinoma	DCE006	Squamous cell carcinoma, keratinizing type								
DCOL007	Tubular adenocarcinoma (tub)	DCE007	Squamous cell carcinoma, keratinizing type								
DCOL008	Adenocarcinoma	DCE008	Squamous cell carcinoma, keratinizing type								
DCOL009	Adenocarcinoma	DCE009	Squamous cell carcinoma, nonkeratinizing type								
DCOL010	Tubular adenocarcinoma (tub)	DCE010	Squamous cell carcinoma, nonkeratinizing type								
DCOL011	Adenocarcinoma	DCE011	Squamous cell carcinoma, nonkeratinizing type								
DCOL012	Adenocarcinoma	DCE012	Mucinous carcinoma, gastric type								
DCOL013	Adenocarcinoma	DCE013	Squamous cell carcinoma, nonkeratinizing type								
DCOL014	Tubular adenocarcinoma (tub)	DCE014	Squamous cell carcinoma, keratinizing type								
DCOL015	Tubular adenocarcinoma (tub)	DCE015	Squamous cell carcinoma, nonkeratinizing type								
DCOL016	Tubular adenocarcinoma (tub)	DCE016	Adenocarcinoma								
DCOL017	Tubular adenocarcinoma (tub)	DCE017	Adenocarcinoma								
		DCE018	Squamous cell carcinoma, nonkeratinizing type								
		DCE019	Squamous cell carcinoma, keratinizing type								
		DCE020	Squamous cell carcinoma, keratinizing type								
		DCE021	Squamous cell carcinoma, keratinizing type								
		DCE022	Adenocarcinoma								

All F-PDX® lines are checked for human infectious pathogens listed below. Only those confirmed to be negative for all items are supplied as frozen tumor tissue.

Item of human infectious pathogens examined

- Hepatitis B virus (HBV)
- Hepatitis C virus (HCV)
- Human T-lymphotropic virus (HTLV-1)
- Human immunodeficiency viruses (HIV-1, HIV-2)
- *Treponema pallidum*
- Parvovirus B19

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