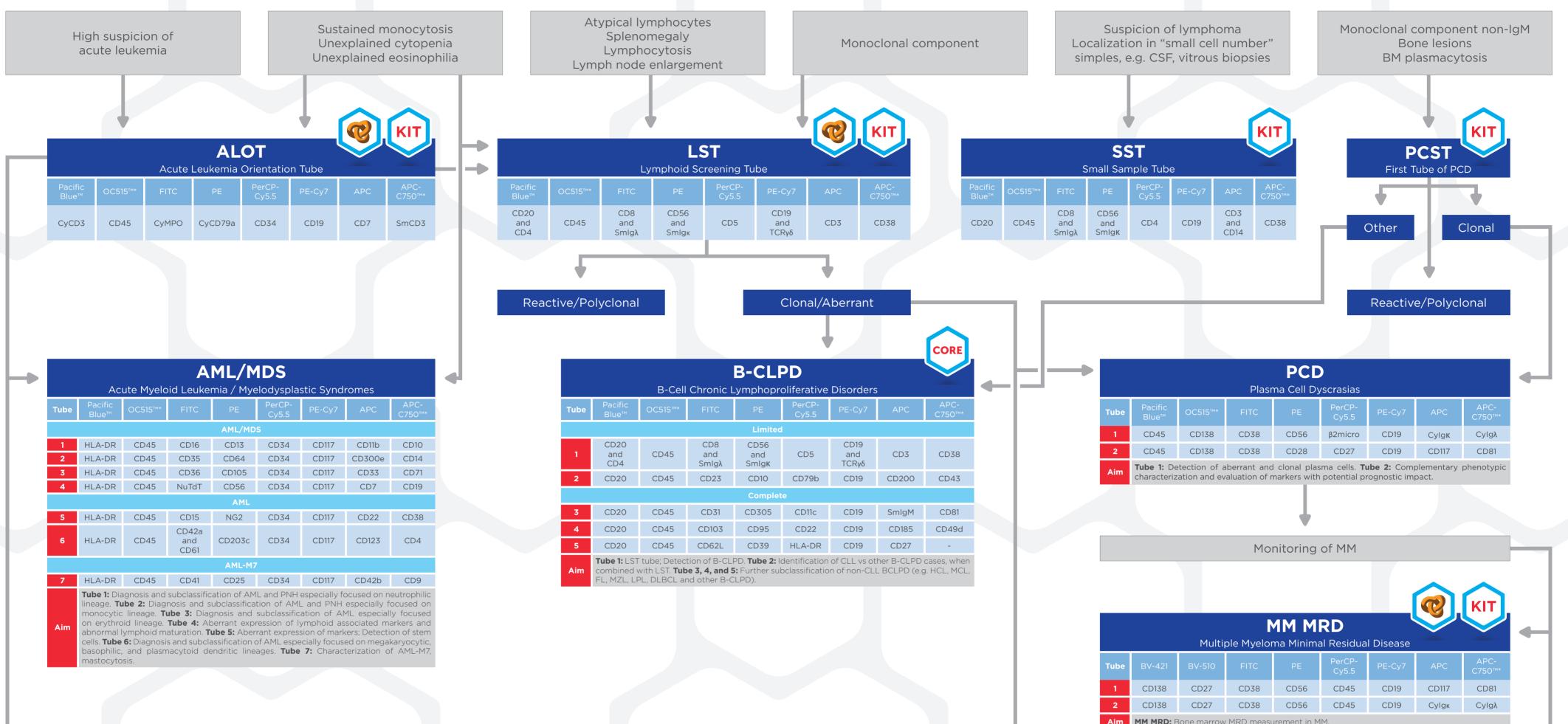


EUROFLOWTM ANTIBODY PANELS





T-ALL T-Cell Acute Lymphoblastic Leukemia								
Tube	Pacific Blue™	OC515™*	FITC	PE	PerCP- Cy5.5	PE-Cy7	APC	APC- C750™*
1	CyCD3	CD45	NuTdT	CD99	CD5	CD10	CD1a	SmCD3
2	CyCD3	CD45	CD2	CD117	CD4	CD8	CD7	SmCD3
3	CyCD3	CD45	TCRγδ	TCRαβ	CD33	CD56	CyTCRβ	SmCD3
4	CyCD3	CD45	CD44	CD13	HLA-DR	CD45RA	CD123	SmCD3
Aim Tube 1: Diagnosis of T-ALL, classification of T-ALL, and determine the maturation state arrest; Identification of LAP markers. Tube 2: Diagnosis of T-ALL, classification of T-AL determine the maturation stage of arrest; Identification of LAP markers. Tube 3: Diagnosis of T-ALL and determine the maturation stage of arrest; Identification of LAP markers.					T-ALL, and Diagnosis			

ubclassification of T-AL

	NK-CLPD							
	NK-Cell Chronic Lymphoproliferative Disorders							
Tube	Pacific Blue™	OC515™*	FITC	PE	PerCP- Cy5.5	PE-Cy7	APC	APC- C750™*
1	CD2	CD45	CD7	CD26	CD3	CD56	CD5	CD19
2	CD16	CD45	CD57	CD25	CD3	CD56	CD11c	CD19
3	HLA-DR	CD45	CyPerforin	CyGranzymeB	CD3	CD56	CD94	CD19

Tube 1: Detection of aberrant NK cell phenotype. Tube 2: Detection of aberrant NK cell phenotype.

Tube 3: Detection of aberrant NK cell phenotype; Assessment of cytotoxic effector phenotype.

CTPC Circulating Tumour Plasma Cell CD138 CD38 CD56 CD45 CD117 CD81 CD27 CD19 CD138 CD38 CD56 CD27 CD45 CD19 Cylgλ СуІдк CTPC: Monitoring of Circulating Tumour Plasma Cells in peripheral blood

								CORE
BCP-ALL B-Cell Precursor Acute Lymphoblastic Leukemia								
Tube	Pacific Blue™	OC515™*	FITC	PE	PerCP- Cy5.5	PE-Cy7	APC	APC- C750™*
1	CD20	CD45	CD58	CD66c	CD34	CD19	CD10	CD38
2	Smlgĸ	CD45	Cylgµ	CD33	CD34	CD19	SmlgM and CD117	Smlgλ
3	CD9	CD45	NuTdT	CD13	CD34	CD19	CD22	CD24
4	CD21	CD45	CD15 and CDw65	NG2	CD34	CD19	CD123	CD81
Aim Tube 1: Diagnosis and classification of BCP-ALL; Detection of LAP markers; Detection of phenotypes associated with molecular aberrations. Tube 2: Diagnosis and classification of BCP-ALL. Tube 3: Diagnosis and classification of BCP-ALL; Detection of phenotypes associated with molecular aberrations; Detection of LAP markers. Tube 4: Subclassification of BCP-ALL; Detection of LAP markers; Detection of phenotypes associated with molecular aberrations. (LAP= Leukemia-associated phenotypes).								

T-CLPD T-Cell Chronic Lymphoproliferative Disorders CD7 CD26 CD2 CD4 CD45 CD3 CD28 CD8 CD8 CD45 CD27 CD197 CD3 CD45RO CD45RA CD4 CD4 CD45 CD5 CD25 CD3 HLA-DR CyTCL1 CD8 CD4 CD45 CD57 CD30 CD3 CD11c CD8 CD4 CD3 CD16 CD94 CD8 CD45 CyPerforin CyGranzymeB CD4 CD45 CD279 CD3 CD8 -Tube 1: Phenotypic characterization; Identification of Sézary syndrome. Tube 2: Phenotypic

haracterization; Assessment of maturation stage. Tube 3: Phenotypic characterization; dentification of T-PLL. Tube 4: Phenotypic characterization; Cytotoxic phenotype and dentification of anaplastic T-cell lymphoma. Tube 5: Phenotypic characterization; Assessment f cytotoxic associated phenotypes; Identification of T-LGL. Tube 6: Identification of lymphomas ived from follicular helper T cells (angioimmunoblastic T-cell lymphomas).

REFERENCES:

- van Dongen JJM, et al. on behalf of the EuroFlow Consortium (EU-FP6, LSHB-CT-2006-018708). EuroFlow antibody panels for standardized n-dimensional flow cytometric immunophenotyping of normal, reactive and malignant leukocytes. Leukemia. 2012 Sep; 26:1908-75.
- 2. Theunissen P, et al. Standardized flow cytometry for highly sensitive MRD measurements in B-cell acute lymphoblastic leukemia. Blood. 2016 Jun; 129(3): 347-57.
- 3. Flores-Montero J, et al. Next Generation Flow for highly sensitive and standardized detection of minimal residual disease in multiple myeloma. Leukemia. 2017 Oct; 31(10):2094-103.
- 4. Sanoja-Flores L, et al. Next generation flow for minimally-invasive blood characterization of MGUS and multiple myeloma at diagnosis based on circulating tumor plasma cells (CTPC). Blood Cancer J. 2018 Nov; 8(12):117.



CD66c

and

CD123

CD73

and

CD304

CD34

CD34

CD19

CD19

CD20

CD20

CD45

CD45

CD81

CD81

ALOT (ref. CYT-ALOT), LST (ref. CYT-LST), SST (ref. CYT-SST), PC	CST (ref. CYT-P	CST),
BCP-ALL MRD (ref. CYT-BCP-ALL-MRD), MM MRD (ref. CYT-MM-	MRD), CTPC (re	ef. CYT-CTPC)

Mature B cell core (ref. CYT-MBC-CORE), Percursor B cell core (ref. CYT-PBC-CORE)

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