catalog 2007 – 2008

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CYTOGNOS is a biotechnology company committed to advancing Flow Cytometry through the design and development of new reagents, software and techniques to be translated into innovative solutions for diagnostic and life science.

CYTOGNOS is an ISO 9001:2000 registered company and CE licensed for IVD production, which provides high-value products and services for cell analysis and diagnostics based on unique solutions for Flow Cytometry.

Our human resources include biologists, physicians, chemists, pharmacists, engineers and informatics devoted to the development of new technologies to satisfy customer needs.

Antibodies against human antigens

CD	Presentation	Clone	Isotype	Size	Reference	Use
CD2	CD2-FITC	B-E2	IgG2b	1ml/ 200test	CYT-2F5	CE / IVD
	CD2-PE	B-E2	IgG2b	1ml/ 200test	CYT-2PE5	RUO
CD3	CD3-FITC	Cris-7	IgG2a	1ml/ 200test	CYT-3F8	CE / IVD
	CD3-PE	33-2A3	IgG2a	1ml/ 200test	CYT-3PE5	CE / IVD
	CD3-PE	Cris-7	IgG2a	1ml/ 200test	CYT-3PE9	CE / IVD
	CD3-PECY5	UCHT1	IgG1	1ml/ 200test	CYT-3C4	CE / IVD
	CD3-APC	UCHT1	IgG1	1ml/ 200test	CYT-3AP4	RUO
CD4	CD4-FITC	Edu-2	IgG2a	1ml/ 200test	CYT-4F6	CE / IVD
	CD4-PE	Edu-2	IgG2a	1ml/ 200test	CYT-4PE9	CE / IVD
	CD4-PECY5	13B8.2	IgG1	1ml/ 200test	CYT-4C3	CE / IVD
	CD4-APC	Edu-2	IgG2a	1ml/ 200test	CYT-4AP2	RUO
CD5	CD5-FITC	MCD5	IgG2b	1ml/ 200test	CYT-5F4	CE / IVD
	CD5-PE	MCD5	IgG2b	1ml/ 200test	CYT-5PE4	RUO
CD7	CD7-FITC	B-B7	IgG1	1ml/ 200test	CYT-7F5	RUO
	CD7-PE	B-B7	IgG1	1ml/ 200test	CYT-7PE5	RUO
	CD7-PECy5	CD7-6B7	IgG2a	1ml/ 200test	CYT-7C2	CE / IVD
	CD7-APC	CD7-6B7	IgG2a	0.5ml/ 100test	CYT-7AP	RUO
CD8	CD8-FITC	UCH-T4	IgG2a	1ml/ 200test	CYT-8F8	CE / IVD
	CD8-PE	17D8	IgG1	1ml/ 200test	CYT-8PE4	CE / IVD
	CD8-PECY5	B9.11	IgG1	1ml/ 200test	CYT-8C2	CE / IVD
	CD8-APC	17D8	IgG1	1ml/ 200test	CYT-8AP	RUO
CD10	CD10-Purified	B-E3	IgG2a	1ml/ 100test	CYT-10P4	RUO
	CD10-FITC	SN5c	IgG1	1ml/ 200test	CYT-10F1	RUO
	CD10-PE	CB-CALLA	IgG2b	1ml/ 200test	CYT-10PE8	RUO
CD11a	CD11a-FITC	38	IgG2a	1ml/ 200test	CYT-11aF2	RUO
CD11b	CD11b-FITC	44	IgG1	1ml/ 200test	CYT-11bF1	RUO
	CD11b-PE	44	IgG1	1ml/ 200test	CYT-11bPE1	RUO
CD11c	CD11c-PE	B-ly6	IgG1	1ml/ 200test	CYT-11cPE3	CE / IVD
CD13	CD13-FITC	22A5	IgG2a	1ml/ 200test	CYT-13F2	RUO
	CD13-PE	E735.0	IgG1	1ml/ 200test	CYT-13PE2	RUO
CD14	CD14-FITC	18D11	IgG1	1ml/ 200test	CYT-14F4	CE / IVD
	CD14-PE	18D11	IgG1	1ml/ 200test	CYT-14PE6	CE / IVD
	CD14-APC	UCHM1	IgG2b	1ml/ 200test	CYT-14AP2	RUO
CD15	CD15-Purified	MCS-1	IgG3	1ml/ 100test	CYT-15P3	RUO
	CD15-FITC	MCS-1	IgG3	1ml/ 100test	CYT-15F4	CE / IVD
CD16	CD16-FITC	LD16	IgG2a	1ml/ 200test	CYT-16F4	CE / IVD
	CD16-PE	LD16	IgG2a	1ml/ 200test	CYT-16PE6	CE / IVD
CD16+CD56	CD16+56-PE	LD16 + C5.9	IgG2a + IgG2b	1ml/ 200test	CYT-16PE6+56PE	CE / IVD
CD19	CD19-Purified	A3/B1	IgG2a	1ml/ 100test	CYT-19P3	RUO
	CD19-FITC	HD37	IgG1	1ml/ 200test	CYT-19F4	CE / IVD
	CD19-PE	HD37	IgG1	1ml/ 200test	CYT-19PE5	CE / IVD
	CD19-PECY5	J4.119	IgG1	1ml/ 200test	CYT-19C2	CE / IVD
	CD19-APC	HD37	IgG1	1ml/ 200test	CYT-19AP2	RUO
CD20	CD20-Purified	B9E9	IgG2a	1ml/ 100test	CYT-20P4	RUO
	CD20-FITC	2H7	IgG2b	1ml/ 200test	CYT-20F3	CE / IVD
	CD20-PE	B-ly1	IgG1	1ml/ 200test	CYT-20PE5	RUO
	CD20-APC	B-ly1	IgG1	1ml/ 200test	CYT-20AP	RUO
CD22	CD22-Purified	Mc64-12	IgG1	1ml/ 100test	CYT-22P2	RUO
	CD22-FITC	B-ly8	IgG1	1ml/ 200test	CYT-22F3	RUO
	CD22-PE	IS7	IgG1	1ml/ 200test	CYT-22PE3	RUO
CD23	CD23-Purified	1B12	IgG1	1ml/ 100test	CYT-23P3	RUO
	CD23-PE	B-G6	IgG1	1ml/ 200test	CYT-23PE3	RUO

CD	Presentation	Clone	Isotype	Size	Reference	Use
CD25	CD25-FITC	B-B10	IgG1	1ml/ 200test	CYT-25F5	RUO
	CD25-PE	B-B10	IgG1	1ml/ 200test	CYT-25PE4	RUO
CD33	CD33-FITC	WM53	IgG1	1ml/ 200test	CYT-33F	CE / IVD
	CD33-PE	WM53	IgG1	1ml/ 200test	CYT-33PE2	CE / IVD
CD36	CD36-FITC	SM_	IgM	1ml/ 200test	CYT-36F	CE / IVD
CD38	CD38-Purified	LD38	IgG1	1ml/ 100test	CYT-38P1	RUO
	CD38-FITC	LD38	IgG1	1ml/ 200test	CYT-38F	RUO
	CD38-PE	T16	IgG1	1ml/ 200test	CYT-38PE2	RUO
	CD38-PECY5	HIT2	IgG1	0,5ml/ 100test	CYT-38C3	RUO
CD41	CD41-FITC	PM6/248	IgG1	1ml/ 200test	CYT-41F	RUO
	CD41-PE	PM6/248	IgG1	1ml/ 200test	CYT-41PE	RUO
CD42b	CD42b-FITC	AK2	IgG1	1ml/ 200test	CYT-42bF3	RUO
CD43	CD43-FITC	DFT1	IgG1	1ml/ 200test	CYT-43F2	RUO
	CD43-PE	DFT1	IgG1	1ml/ 200test	CYT-43PE2	RUO
CD45	CD45-FITC	EO1	IgG2a	1ml/ 200test	CYT-45F5	CE / IVD
	CD45-PE	D3/9	IgG1	1ml/ 200test	CYT-45PE4	CE / IVD
	CD45-PECY5	IMMU19.2	IgG1	1ml/ 200test	CYT-45C3	CE / IVD
	CD45-APC	ML2	IgG1	1ml/ 200test	CYT-45AP2	RUO
CD49d	CD49d-FITC	44H6	IgG1	1ml/ 200test	CYT-49dF	RUO
CD52	CD52-PE	YTH34.5	IgG2b	1ml/ 200test	CYT-52PE	RUO
CD55	CD55-FITC	143-30	IgG1	1ml/ 200test	CYT-55F5	RUO
	CD55-PE	Nam16-4D3	IgG1	1ml/ 200test	CYT-55PE3	RUO
CD56	CD56-FITC	C5.9	IgG2b	1ml/ 200test	CYT-56F	CE / IVD
	CD56-PE	C5.9	IgG2b	1ml/ 200test	CYT-56PE	CE / IVD
CD59	CD59-FITC	VJ12.2	IgG2a	1ml/ 200test	CYT-59F4	RUO
	CD59-PE	NaM172-2B5	IgG1	1ml/ 200test	CYT-59PE7	RUO
CD61	CD61-FITC	NaM28-7D6	IgG1	1ml/ 200test	CYT-61F4	RUO
	CD61-PE	PM6/13	IgG1	1ml/ 200test	CYT-61PE	CE / IVD
CD64	CD64-FITC	10.1	IgG1	1ml/ 200test	CYT-64F2	RUO
	CD64-PE	10.1	IgG1	1ml/ 200test	CYT-64PE	RUO
CD66b	CD66b-FITC	80H3	IgG1	1ml/ 200test	CYT-66bF	RUO
CD69	CD69-PE	CH/4	IgG2a	0,5ml/ 100test	CYT-69PE	RUO
CD79a	CD79a-FITC	ZL7.4	IgG1	1ml/ 200test	CYT-79AF	RUO
	CD79a-FITC	SP18	IgG1	1ml/ 200test	CYT-79aF3	RUO
CD117	CD117-FITC	104D2	IgG1	1ml/ 100test	CYT-117F4	RUO
	CD117-PE	104D2	IgG1	1ml/ 100test	CYT-117PE2	RUO
CD119	CD119-FITC	BB1E2	IgG2a	1ml/ 200test	CYT-119F	RUO
CD138	CD138-Purified	B-A38	IgG1	1ml/ 100test	CYT-138P4	RUO
	CD138-FITC	B-A38	IgG1	1ml/ 200test	CYT-138F4	RUO
	CD138-PE	B-A38	IgG1	1ml/ 200test	CYT-138PE4	RUO
	CD138-PECY5	B-A38	IgG1	1ml/ 200test	CYT-138C4	RUO
CD235a	CD235a-PE	YTH89.1	IgG2b	1ml/ 200test	CYT-235aPE3	RUO
HLADR	HLADR-FITC	423L	IgG2a	1ml/ 200test	CYT-DRF	RUO
	HLADR-PE	423L	IgG2a	1ml/ 200test	CYT-DRPE	RUO
HLA B27	HLA B27-FITC	HLA ABC m3	IgG2a	1ml/ 200test	CYT-HLAIB27F	RUO
HLA B7	HLA B7-PE	BB7.1	IgG1	1ml/ 200test	CYT-HLAIB7PE	RUO
Kappa	Kappa-FITC	Polyclonal		0,5ml/ 100test	CYT-KAPPF2	CE / IVD
Lambda	Lambda-PE	Polyclonal		0,5ml/ 100test	CYT-LAMBPE	RUO
FMC7	FMC7-FITC	FMC7F	IgM	1ml/ 200test	CYT-FMC7F	RUO
TdT	TdT-FITC	Polyclonal		0,5ml/ 50 test	CYT-TdTF	RUO
ZAP70	ZAP70-PE	1E7.2	IgG1	0,5ml/ 100test	CYT-ZAP70PE	RUO
F(ab')2-Goat anti-Mouse IgG	F(ab')2-Goat anti-Mouse IgG-FITC			100 test	CYT-SGF	RUO

Double Colour Combinations

Description	Clone	Size	Reference	Use
CD3-FITC / CD4-PE	Cris-7 / Edu-2	1ml/ 100test	CYT-3F8-4PE9	CE / IVD
CD3-FITC / CD8-PE	Cris-7 / 17D8	1ml/ 100test	CYT-3F8-8PE4	CE / IVD
CD3-FITC / CD16-PE	Cris-7 / LD16	1ml/ 100test	CYT-3F8-16PE6	CE / IVD
CD3-FITC / CD16+CD56 PE	Cris-7/ LD16 + C5.9	1ml/ 100test	CYT-3F8-16PE6+56PE	CE / IVD
CD3-FITC / CD19-PE	Cris-7/ HD37	1ml/ 100test	CYT-3F8-19PE5	CE / IVD
CD3-FITC / CD56-PE	Cris-7 / C5.9	1ml/ 100test	CYT-3F8-56PE	CE / IVD
CD3-FITC / HLADR-PE	Cris-7 / 423L	1ml/ 100test	CYT-3F8-DRPE	RUO
CD4-FITC / CD8-PE	Edu-2 / 17D8	1ml/ 100test	CYT-4F6-8PE4	CE / IVD
CD4-FITC / CD45-PE	Edu-2 / D3/9	1ml/ 100test	CYT-4F6-45PE4	CE / IVD
CD5-FITC / CD19-PE	MCD5 / HD37	1ml/ 100test	CYT-5F4-19PE5	CE / IVD
CD8-FITC / CD16-PE	UCH-T4 / LD16	1ml/ 100test	CYT-8F8-16PE6	CE / IVD
CD8-FITC / CD56-PE	UCH-T4 / C5.9	1ml/ 100test	CYT-8F8-56PE	CE / IVD
CD45-FITC / CD14PE	3O1 / 18D11	1ml/ 100test	CYT-45F5-14PE6	CE / IVD
HLA-B27 FITC / HLA-B7 PE	HLA ABC m3 / BB7.1	1ml/ 100test	CYT-COMB1012	RUO
KAPPA FITC / LAMBDA-PE	Polyclonal	0,5ml/ 50test	CYT-KF2-LPE	RUO

Triple Colour Combinations

Description	Clone	Size	Reference	Use
CD3-FITC / CD4-PE / CD8-PECy5	Cris-7 / Edu-2 / B9.11	1,5ml/ 100test	CYT-3F8-4PE9-8C2	CE / IVD
CD3-FITC / CD4-PE / CD19-PECy5	Cris-7 / Edu-2 / J4.119	1,5ml/ 100test	CYT-3F8-4PE9-19C2	CE / IVD
CD3-FITC / CD4-PE / CD45-PECy5	Cris-7 / Edu-2 / IMMU19.2	1,5ml/ 100test	CYT-3F8-4PE9-45C3	CE / IVD
CD3-FITC / CD8-PE / CD19-PECy5	Cris-7 / 17D8 / J4.119	1,5ml/ 100test	CYT-3F8-8PE4-19C2	CE / IVD
CD3-FITC / CD8-PE / CD45-PECy5	Cris-7 / 17D8 / IMMU19.2	1,5ml/ 100test	CYT-3F8-8PE4-45C3	CE / IVD
CD3-FITC / CD16+56-PE / CD19-PECy5	Cris-7 / LD16 + C5.9 / J4.119	1,5ml/ 100test	CYT-3F8-16PE6+56PE-19C2	CE / IVD
CD3-FITC/CD16+56-PE / CD45-PECy5	Cris-7 / LD16 + C5.9 / IMMU19.2	1,5ml/ 100test	CYT-3F8-16PE6+56PE-45C3	CE / IVD
CD3-FITC / CD16-PE / CD19-PECy5	Cris-7 / LD16 / J4.119	1,5ml/ 100test	CYT-3F8-16PE6-19C2	CE / IVD
CD3-FITC / CD19-PE / CD45-PECy5	Cris-7 / HD37 / IMMU19.2	1,5ml/ 100test	CYT-3F8-19PE5-45C3	CE / IVD
CD3-FITC / CD56-PE / CD19-PECy5	Cris-7 / C5.9 / J4.119	1,5ml/ 100test	CYT-3F8-56PE-19C2	CE / IVD
CD4-FITC / CD8-PE / CD3-PECy5	Edu-2 / 17D8 / UCHT1	1,5ml/ 100test	CYT-4F6-8PE4-3C4	CE / IVD
CD4-FITC / CD8-PE / CD45-PECy5	Edu-2 / 17D8 / IMMU19.2	1,5ml/ 100test	CYT-4F6-8PE4-45C3	CE / IVD
CD8-FITC / CD4-PE / CD3-PECy5	UCH-T4 / Edu-2 / UCHT1	1,5ml/ 100test	CYT-8F8-4PE9-3C4	CE / IVD
CD8-FITC / CD4-PE / CD19-PECy5	UCH-T4 / Edu-2 / J4.119	1,5ml/ 100test	CYT-8F8-4PE9-19C2	CE / IVD
CD8-FITC / CD4-PE / CD45-PECy5	UCH-T4 / Edu-2 / IMMU19.2	1,5ml/ 100test	CYT-8F8-4PE9-45C3	CE / IVD
CD10-FITC / CD5-PE / CD19-PECy5	SN5c / MCD5 / J4.119	1,5ml/ 100test	CYT-10F1-5PE4-19C2	RUO
CD16-FITC / CD19-PE / CD3-PECy5	LD16 / HD37/ UCHT1	1,5ml/ 100test	CYT-16F4-19PE5-3C4	CE / IVD
CD56-FITC / CD19-PE / CD3-PECy5	C5.9 / HD37 / UCHT1	1,5ml/ 100test	CYT-56F-19PE5-3C4	CE / IVD
Kappa FITC/Lambda-PE / CD19-PECy5	Polyclonal / Polyclonal / J4.119	25 test	CYT-KF2-LPE-19C2	RUO

Isotypic Controls

Description	Clone	Size	Reference	Use
IgG1-FITC	MCG1	1 ml / 200 test	CYT-IC005F	CE / IVD
IgG1-PE	MCG1	1 ml / 200 test	CYT-IC005PE	CE / IVD
IgG1-PECy5	ZX3	1 ml / 200 test	CYT-IC005C	CE / IVD
IgG2a-FITC	MCG2a	1 ml / 200 test	CYT-IC006F	CE / IVD
IgG2a-PE	MCG2a	1 ml / 200 test	CYT-IC006PE	CE / IVD
IgG2b-FITC	MCG2b	1 ml / 200 test	CYT-IC007F	CE / IVD
IgG2b-PE	MCG2b	1 ml / 200 test	CYT-IC007PE	CE / IVD
IgG1-FITC / IgG1-PE	MCG1 / MCG1	1 ml / 100 test	CYT-IC5F5PE	CE / IVD
IgG1-FITC / IgG2a-PE	MCG1 / MCG2a	1 ml / 100 test	CYT-IC5F6PE	CE / IVD
IgG1-FITC / IgG2b-PE	MCG1 / MCG2b	1 ml / 100 test	CYT-IC5F7PE	CE / IVD
IgG2a-FITC / IgG1-PE	MCG2a / MCG1	1 ml / 100 test	CYT-IC6F5PE	CE / IVD
IgG2a-FITC / IgG2a-PE	MCG2a / MCG2a	1 ml / 100 test	CYT-IC6F6PE	CE / IVD
IgG2a-FITC / IgG2b-PE	MCG2a / MCG2b	1 ml / 100 test	CYT-IC6F7PE	CE / IVD
IgG2b-FITC / IgG1-PE	MCG2b / MCG1	1 ml / 100 test	CYT-IC7F5PE	CE / IVD
IgG2b-FITC / IgG2a-PE	MCG2b / MCG2a	1 ml / 100 test	CYT-IC7F6PE	CE / IVD
IgG2b-FITC / IgG2b-PE	MCG2b / MCG2b	1 ml / 100 test	CYT-IC7F7PE	CE / IVD
IgG1-FITC / IgG1-PE/ IgG1-PECy5	MCG1 / MCG1 / ZX3	1,5ml / 100 test	CYT-IC5F5PE5C	CE / IVD
IgG1-FITC / IgG2a-PE/ IgG1-PECy5	MCG1 / MCG2a / ZX3	1,5ml / 100 test	CYT-IC5F6PE5C	CE / IVD
IgG1-FITC / IgG2b-PE/ IgG1-PECy5	MCG1 / MCG2b / ZX3	1,5ml / 100 test	CYT-IC5F7PE5C	CE / IVD
IgG2a-FITC / IgG1-PE / IgG1-PECy5	MCG2a / MCG1 / ZX3	1,5ml / 100 test	CYT-IC6F5PE5C	CE / IVD
IgG2a-FITC / IgG2a-PE / IgG1-PECy5	MCG2a / MCG2a / ZX3	1,5ml / 100 test	CYT-IC6F6PE5C	CE / IVD
IgG2a-FITC / IgG2b-PE/IgG1-PECy5	MCG2a / MCG2b / ZX3	1,5ml / 100 test	CYT-IC6F7PE5C	CE / IVD
IgG2b-FITC / IgG1-PE/ IgG1-PECy5	MCG2b / MCG1 / ZX3	1,5ml / 100 test	CYT-IC7F5PE5C	CE / IVD
IgG2b-FITC / IgG2a-PE / IgG1-PECy5	MCG2b / MCG2a / ZX3	1,5ml / 100 test	CYT-IC7F6PE5C	CE / IVD
IgG2b-FITC / IgG2b-PE/ IgG1-PECy5	MCG2b / MCG2b / ZX3	1,5ml / 100 test	CYT-IC7F7PE5C	CE / IVD

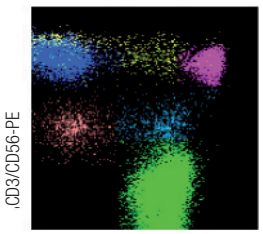
Erythrocyte Lysing Solution: Quicklysis™

Quicklysis™ is an erythrocyte lyse-non-wash method for whole blood samples. It has been shown that Quicklysis™ as a lyse-non-wash method, improves the quality of the results versus the typical stain, lyse and wash method. It is used after the immunofluorescence staining of the cells and there is no need for any washing-centrifugation step. The use of Quicklysis™ avoids cell loss associated to the fixation and washing steps, maintaining the relative distribution of the cellular subsets present in the sample.

Product	Description	Reference	Size	Use
Quicklysis™	Liquid form ready to use	CYT-QL-1	250 test	CE / IVD
Quicklysis™	Dry powder of Quicklysis™ to reconstitute with 20 Liters of distilled water	CYT-QL-2	10.000 test	CE / IVD
Quicklysis™	Dry powder of Quicklysis™ to reconstitute with 10 Liters of distilled water	CYT-QL-4	5.000 test	CE / IVD

Reagents for Lymphocyte Subset Studies

CYTOGNOS offers innovative, simple and easy to use single tube systems, which reduce tube handling and simplify the analysis process.



Lymphogram®

Lymphogram® combines different monoclonal antibodies with a constant range of fluorescence intensity and exclusive specificity that allows clear separation of different lymphoid subsets in a single tube:

- CD8-FITC + CD19-FITC
- CD3-PE + CD56-PE
- CD4-PECy5

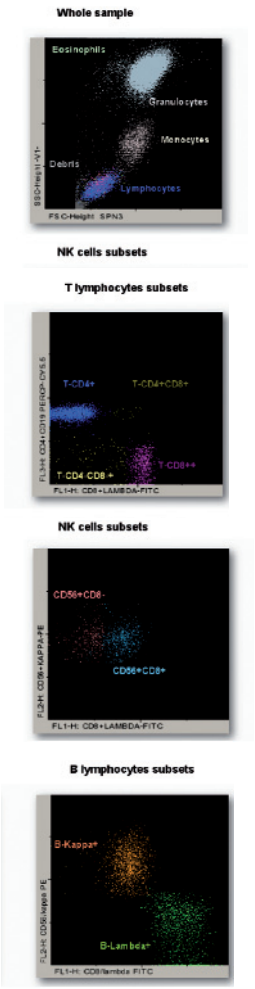
Results obtained with this reagent can be analysed by the intelligent analysis software, CYTORAMA-Lymphogram™

Product	Description	Reference	Size	Use
Lymphogram®	Lymphocyte subset studies	CYT-C-01	50 TEST	CE/IVD

Lymphoclonal™

Lymphoclonal™ represents a rapid, effective and reliable tool for initial screening of lymphocyte analysis since it determines the levels of a full range of cell subsets in a single tube and help to establish clonality diagnosis.

Results obtained with this reagent can be analysed by the intelligent analysis software, CYTORAMA-Lymphoclonal™



Product	Description	Reference	Size	Use
Lymphoclonal™	Lymphocyte subset and B-clonality studies. This reagent contains the following monoclonal antibody combination: ■ Lambda-FITC + CD8-FITC ■ Kappa-PE + CD56-PE ■ CD19-PerCPCy5.5 + CD4-PerCPCy5.5 ■ CD3-APC	CYT-LC	20 TEST	CE/IVD
Lymphoclonal-C™	Lymphocyte subset and B-clonality studies. This reagent contains the following monoclonal antibody combination: ■ Lambda-FITC + CD8-FITC ■ Kappa-PE + CD56-PE ■ CD19-PECy5 + CD4-PECy5 ■ CD3-PECy7	CYT-LC-C	20 TEST	RUO

Reagents for DNA content and Cell Cycle Studies

Cycloscope™ represents a product line of kits for DNA content analysis in haematological malignancies for diagnostic, prognosis and monitoring purposes. Clinical utility of flow cytometric measurements of cell DNA-content-associated parameters is the study of cell cycle distribution of a specific neoplastic population and the DNA ploidy status, which indicates the existence or absence of clonal abnormalities in the overall DNA content of tumor cells.

Cycloscope MM™

Cycloscope MM™ consists of a kit to immunophenotypically identify plasma cells in Multiple Mieloma (MM) or Monoclonal Gammopathies of Undetermined Significance (MGUS) samples and at the same time analyze the DNA content and cell cycle of these cells.

It has been described that the number of bone marrow plasma cells in S-phase in patients with MM is the most important independent prognosis factor, allowing the discrimination of two subgroups of patients with different prognosis, even within the same clinical stage. Also the analysis of DNA aneuploidy has been considered to be a powerful tool for the detection of minimal residual disease in these patients.

Product	Description	Reference	Size	Use
Cycloscope MM™	MGUS and MM	CYT-CS-MM	20 TEST	RUO

Cycloscope BALL™

Cycloscope BALL™ is a kit focused on the measurements of cell DNA content on neoplastic B-cells precursors in B-lineage acute lymphoblastic leukemia (B-ALL).

Detection of hyperdiploid leukaemic blast cells is an independent prognosis factor strongly associated with favourable clinical and biological features. Therefore, DNA index offers a practical and reproducible way to characterize B-ALL patients contributing to the establishment of risk-directed treatment strategies. In addition, DNA studies may be of great utility for the detection of minimal residual disease and contribute therefore to relapses prediction in these patients.

Product	Description	Reference	Size	Use
Cycloscope B-ALL™	B-ALL	CYT-CS-BALL	20 TEST	RUO

Cycloscope NHL™

Cycloscope NHL™ is a kit focused on the measurements of cell DNA content on neoplastic B-cells precursors in B-lineage Non Hodgkin's Lymphoma (B-NHL) and other B-cell Chronic Lymphoprolipherative Disorders (B-CLD).

Previous studies have reported that the percentage of tumoral B-cells in S-phase represents a prognosis factor either in B-NHL or B-CLL. Additionally, it has been observed that in B-NHL patients, DNA-ploidy correlates with histopathologic grade.

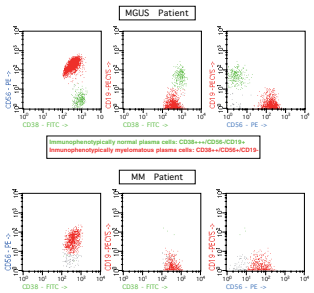
Product	Description	Reference	Size	Use
Cycloscope NHL™	LNH-B, LLC-B and other SLP	CYT-CS-NHL	20 TEST	RUO

Other reagents

Product	Description	Reference	Size	Use
Cycloscope Reagent	Red cells lysing solution and DNA labelling solution	CYT-CS-R-50	50 TEST	RUO
Propidium Iodide Solution	DNA labelling solution	CYT-PIR-25	25 TEST	RUO

Reagents for Monitoring of Monoclonal Gammopathies: Clonalpath™

Clonalpath™ is the perfect tool for monitoring of MM and MGUS patients based on the quantification of bone marrow plasma cells.



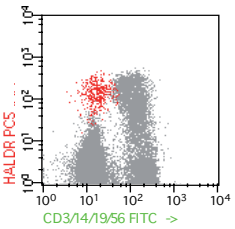
Normal plasma cells display strong reactivity for the CD38 antigen, low FSC/SSC pattern, express the CD19 antigen while they are generally negative for the CD56 antigen. The presence of immunophenotypically normal plasma cells, which is a constant finding in MGUS, is a rare event in MM and when it is present, its frequency is significantly lower (<3%) than that observed in MGUS. Clonalpath™ is a triple monoclonal antibody combination (CD38-FITC/CD56-PE/CD19PECy5) which allows the immunophenotypic characterization of the plasma cells present in the sample.

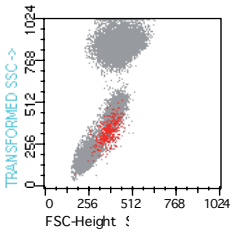
Product	Description	Reference	Size	Use
Clonalpath™	CD38-FITC/CD56-PE/CD19-PECy5	CYT-CP-100	100 TEST	RUO
Clonalpath™-Plus	CD38-FITC/CD56-PE/ CD19-PECy5/CD45-APC	CYT-CP45	50 TEST	RUO

Reagent for Dendritic Cell Studies

As a major component of the immune system, dendritic cells (DCs) have the critical role in stimulating a tumor-specific immune response. This stimulation is of great interest for their applications in immunological-based therapies, such as anti-tumor cell vaccination with autologous DCs. Therefore, as immunotherapy using these cells has the potential to become a treatment option, it is important to have a greater understanding of the number and function of DCs and to know the optimal conditions for their collection and administration. Most of the studies reveal the difficulties in defining the distinct DCs populations.

Dendritic Cells Exclusion Kit is a reagent designed to identify by exclusion DCs as the fraction of nucleated cells which do not show reactivity for CD3, CD19, CD56 and CD14 antigens. Peripheral blood DCs can be distinguished from other leucocyte subsets by their characteristic lack of staining with this combination and their positive reactivity for HLA-DR. In flow cytometry these cells display a typical light scatter pattern, with FSC/SSC intermediate values between lymphocytes and monocytes.





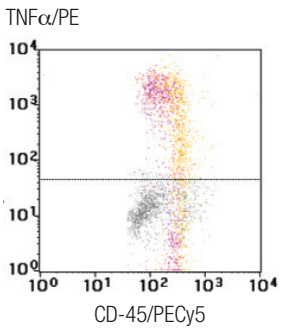
Product	Description	Reference	Sie	Use
DCE Kit	Dendritic cells exclusion kit	CYT-DENDF	50 TEST	RUO

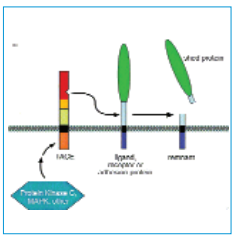
Kit for Immune Response Studies: Immunoscript™

Immunoscript™ represents a unique and simple flow cytometry assay that provides an overall evaluation of immune responses with minimal sample manipulation. It identifies TNFα secreting cells detecting this cytokine on the cell surface avoiding fixation and permeabilization steps during sample processing.

Immunoscript™ includes a specific inhibitor of TACE protein which breaks the link with the cytoplasmic membrane and an anti TNFα-PE monoclonal antibody that allows identification of TNFα secreting cells.

This method provides and easy evaluation of the immune response since allows phenotypic identification of TNFα secreting cells and can be used combined with other soluble cytokine evaluation assays.

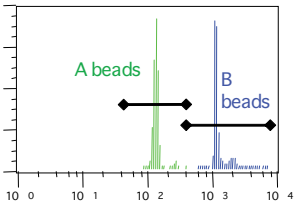


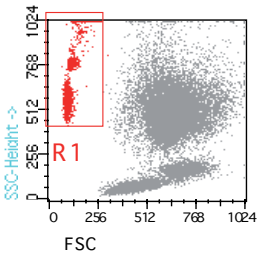


Product	Description	Reference	Size	Use
Immunoscript™	Immune response studies	CYT-IS-50	50 TEST	RUO

Absolute Counting Systems

The absolute counting of cell subpopulations by means of flow cytometry can be done using a double platform technique, in which the information provided by the flow cytometer and by an haematological counter are combined, or using a single platform technique for which only the flow cytometer is used. The microbead-based single platform technology has emerged as the method of choice for absolute cell enumeration in different clinical applications due to the accuracy and precision of the results.





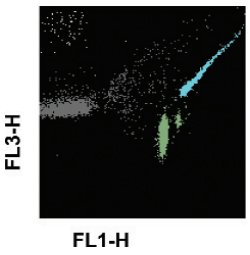
Perfect-Count Microspheres™

Perfect-Count Microspheres™ is a microbead-based single platform system, which assures the accuracy of absolute count results. Its unique internal quality control system contains two types of beads with densities around the upper and lower densities of peripheral blood cells. Variations of the ratio between beads type A and B warn about problems during sample preparation and/or acquisition which could invalidate the final results.

Product	Description	Reference	Size	Use
Perfect-Count Microspheres™	Reference beads for the absolute counts	CYT-PCM-50	50 test	CE/IVD
Perfect-Count Microspheres™	Reference beads for the absolute counts	CYT-PCM-100	100 test	CE/IVD

LeucoFinder™

Enumeration of residual White Blood Cells (rWBC) in filtered blood products for transfusion requires a quality control assay. LeucoFinder™ kit combines the detection of rWBC by DNA staining with the enumeration of these cells with Perfect-Count Microspheres™ as microbead-based method with internal QC check.



Results obtained with this reagent can be analyzed by the intelligent analysis software CYTORAMA-LeucoFinder™.

Product	Description	Reference	Size	Use
LeucoFinder™	Absolute counting of rWBC in transfusion products	CYT-LF-50	50 test	CE/IVD

Cytorama™: Intelligent Analysis Software

Automatic multiparametric analysis	CYTORAMA™ software analyses files in a totally automatic way based on artificial algorithms that an expert cytometrist would use to define such populations. It allows the identification and characterization on a sensitive and objective way of all the cell subsets present in the sample. Analysis is always performed based on the same intelligent rules that provide accurate and consistent results from sample to sample.
Flexibility in data analysis	CYTORAMA™ allows you to modify the automatic data analysis, deleting and creating the most appropriated region to define the cell subsets present in the sample. CYTORAMA™ allows to define how to view your data.
Accuracy in the interpretation of results	CYTORAMA™ identifies and classifies cell populations, calculates quantitative data and warns about abnormal distribution of different analysed subsets based on adaptable ranges of normality.
Minimal operator intervention	This software requires a minimal operator intervention removing operator-derived analysis errors and reducing inter-laboratory variability.
Rapid analysis	CYTORAMA™ develops data analysis and report generation in 10-20 seconds per sample.
Automatic report generation	CYTORAMA™ generates a printable report and data are exportable to any kind of databases for further reports or statistic analysis.
Compatibility	CYTORAMA™ is compatible with Apple and Windows platforms and accepts flow cytometry standard files (FCS) generated in different cytometer models facilitating inter-laboratory network generation.

CYTOGNOS has developed different system, adapted to the exclusive analysis of some of our reagents:

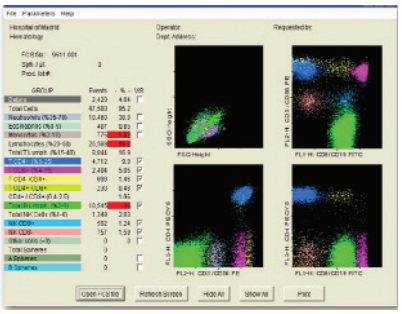
CYTORAMA-LYMPHOGRAM™ for immunophenotypic characterization of peripheral blood lymphocytes in a single test.

CYTORAMA-LYMPHOCLONAL™ for the immunophenotypic characterization of lymphocyte subsets and B-clonality studies in a single test. Valid for different types of samples such as peripheral blood, FNA, bone marrow, etc.

CYTORAMA-LEUCOFINDER™ for the enumeration of residual White Blood Cells in filtered products for transfusion.

CYTORAMA-CD8/CD4/CD3 for the enumeration of T-Lymphocytes in peripheral blood samples.

Name	Reference
CYTORAMA-Lymphogram™	CYT-LG-INT
CYTORAMA-Lymphoclonal™	CYT-LC-INT
CYTORAMA-LeucoFinder™	CYT-LF-INT
CYTORAMA-CD8/CD4/CD3	CYT-CD8/CD4/CD3-ESP



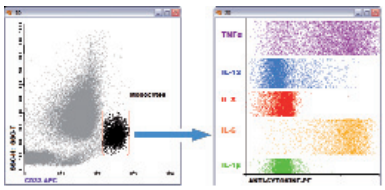
The figure shows the results of a CYTORAMA-LYMPHOGRAM™ analysis of a B-Chronic Lymphoid Leukemia sample. This software provides an immunophenotypic characterisation of the different lymphoid subsets identifying abnormal features in different populations.

INFINICYT™: software for analysis of flow cytometry files

Infinicyt™ is an analysis software for flow cytometric data, capable of integrating in a fast and easy way the files generated by each one of the tubes from the same sample, thus yielding comprehensive information, as well as a faster, objective multidimensional analysis.

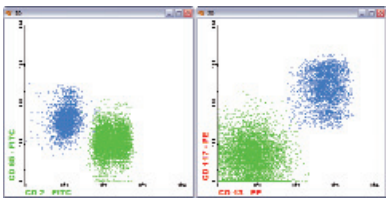
Advantages:

- Infinicyt™ includes a file **merger mode**, which allows select different data files belonging to the same sample and merge their information in a unique data file. The fusion process is a powerful tool that reduces analysis time, and provides a better phenotypical description of cell populations.
  - In a single gating process of the population of interest, we can analyze multiple markers acquired in different tubes.
  - The results are shown in a single dot plot and the statistics are summarized in a single report.

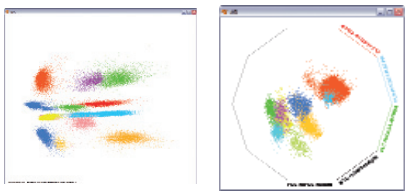


- Infinicyt™ provides a **merger + estimation mode**, which gives information about dot plot representation of markers not available in the same data file.

In order to merge and estimate the parameters, the original files must have as many as necessary common parameters that allow the identification of the cellular population in which we want to estimate different parameters. The necessary number of common parameters, as well as the appropriate marker panel design is fundamental in order to obtain satisfactory results with the estimation.



- Infinicyt™ includes **internal control systems** that verify if the conditions needed for the merger algorithm and estimation algorithm to work correctly are applicable.



- Infinicyt™ includes a **wide variety of analysis tools and exclusive graphics** which allow for a user-friendly interpretation of obtained results.

- Infinicyt™ will provide a built-in **automatic analysis module** to analyze panels for diagnosis and follow-up of haematological malignancies, validated by the EuroFlow™ project members.

Name	Reference	Demo version and more information at:
INFINICYT™	CYT-INFINICYT	www.infinicyt.com

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