

Materials List for:

In Vitro Methods for Comparing Target Binding and CDC Induction Between Therapeutic Antibodies: Applications in Biosimilarity Analysis

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Materials

Name	Company	Catalog Number	Comments
RPMLI-1640 medium	ATCC	30-2001	Modify the culture depending on the cell line
Trypan Blue solution	Sigma	T8154	0.4%, liquid, sterile-filtered, suitable for cell culture
Daudi Burkitt's Lymphoma Cells	ATCC	CCL-213	You can modify the cell line depending on the antibody of interest
Fetal bovine serum (FBS)	GIBCO	16000-044	You can modify the source of serum depending of requirements of the cell line
Normal Human Serum Complement	Quidel	A113	It is therefore appropriate for use in biocompatibility experiments including drug development, biomaterials testing and other applications
7AA-D	BDPharmigen	559925	You can use broad range of color options, compatible with most instrument configurations for to analyze viability.
PECy5 Mouse Anti-human IgG	BDPharmigen	551497	Change fluorochrome depending on the filter and laser of your flow cytometer
Human IgG Isotype Control	ThermoFisher Scientific	07-7102	Change depending to mAb
BDCytofix	BDPharmigen	554655	Flow Cytometry Fixation Buffer (1 - 4% formaldehyde or paraformaldehyde)
PBS pH 7.4 10x (Phosphate buffer saline)	GIBCO	70011-044	Phosphatebuffer without Ca ²⁺ /Mg ²⁺ [137 mM NaCl, 2.7 mM KCl, 8 mM Na ₂ HPO ₄ , 1.46 mM KH ₂ PO ₄] and endotoxin free.
Cell culture plates 96 well, V-bottom	Corning	29442-068	12 x 75 mm round bottom test tubes or 96-well V- or U-bottom microtiter plates
MabThera (Rituximab)	Roche	—	Reference product
Rituximab	Indian	—	Biosimilar product
15- or 50-mL conical centrifuge tubes	Corning	430290 or 430052	—

Pipette Tips	Eppendorf	—	Multiple volume configurations are necessary
Pipettes	Eppendorf	—	Adjustable-volume pipettes are necessary
Centrifuge 5430/ 5430R model	Eppendorf	—	Refrigerated variable-speed centrifuge (4 to 25 °C) with speeds ranging from 10 to 30,130 × g
Flow cytometer	BD Dickinson	—	BD FACSAria III or other flow cytometer
Olympus optical and light microscope	Olympus	—	To quantify and evaluate cell growth
Incubator	SANYO	—	Incubator for temperature and CO ₂ control to culture cells
Biological Safety Cabinet	CHC BIOLUS	—	Biological safety cabinet that is used to protect the researcher, product and environment.