

AKATA | 305510

AKATA

Description	AKATA, a human B cell line, is derived from a patient with Burkitt's lymphoma (EBV) and is immortalized by EBV (BARTs). AKATA cells are highly proliferative and express B cell markers. AKATA cells are used for studying B cell biology and for producing monoclonal antibodies. AKATA cells are also used for studying the effects of EBV on B cell biology. AKATA cells are highly sensitive to anti-CD20 antibodies. AKATA cells are also used for studying the effects of anti-CD20 antibodies on B cell biology.
Organism	Human
Tissue	B cell
Disease	Burkitt's lymphoma
Synonyms	AKATA, AKATA-BL, AKATA-BL, AKATA-EC, AKATA-EBV, AKATA-EBV

AKATA

Age	4 years
Gender	Female
Ethnicity	Chinese
Morphology	Epithelial
Cell type	B cell
Growth properties	Adherent

AKATA

Citation	AKATA (AKATA) Cytion 305510
Biosafety level	2
NCBI_TaxID	9606

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CellosaurusAccession CVCL_0148

XXXXXXXXXX XXXX-XXXXXXXXXXXXXX

Viruses XXXXXXXXXXXX EBV

XXXXXXXXXX

Culture Medium RPMI 1640, w: 2.0 mM XXXXXXXXXXXX XXXXX, w: 2.0 g/L NaHCO3 (XXXXX XXXXXXXXXXXX XXX Cytion 820700a)

Supplements XXXXX XXXXXXX 10% FBS

Subculturing XXXXX XXX XXXX XXXXXXXXXXXX XXXXXXXX XXX 15 µl XXXXXXX XXXXXXXXXXXX XXX XXXXXXX XXXXXXXXXXXX XXX PBS XXX XXXXX XXXXXXXXXXXX (XXXXXX 3-5 µl XXX XXXXX XXXXXXX)

Freeze medium XXXXXXX XXXXXXXXXXXX XXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXX (XXXXX FBS) + 10% DMSO XXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXX XXXXX XXXXXXXXXXXX, XXX C

Thawing and Culturing Cells

1. XXX XXXXXXXXXXXX XXXX XXXXX XXXXXXXXXXXX XXX XXXXXXX, XXX XXXXXXX XXXXXXXXXXXX XXXX XXX XXX XXXXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXX
2. XXX XXXXX XXXXXXXXXXXX, XXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXX XXXXXXXXXXXX XXXXXXX 150°C XXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX
3. XXXXXXX XXXXXXX XXXXXXX, XXXXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXX XXX XXXXXXX XXXXXXX XXX XXXXXXXXXXXX XXX 37 XXXXXXX XXXXXXX XXX XXX XXXXXXX
4. XXX XXX XXX XXXXXXX XXXXXXX XXXXXXXXXXXX XXXXXXX, XXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXX 70% XXXXX XXXXXXX.
5. XXX XXXXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXXXXXXX XXXXXXX 15 µl XXXXXXX 8 µl XXX XXX XXXXXXX XXXXXXX
6. XXXXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX 300 x g XXXXX 3 XXXXX XXX XXXXXXXXXXXX XXX XXXXXXX, XXXXXXX XXXXXXXXXXXX XXX XXXXXXX XXXXXXXXXXXX XXXXXXX XXX
7. XXXXX XXXXXXXXXXXX XXX XXXXX XXXXXXX 10 µl XXX XXX XXXXXXX XXX. XXXXX XXXXX XXXXXXX, XXXXX XXX XXXXXXXXXXXX XXX XXX XXXXXXXXXXXX XXXXXXX T2
8. XXXXXXX XXX XXXXXXXXXXXX XXX-XXXXXX XXXXXXXXXXXX XXXXXXX XXXXXXXXXXXX XXX XXX XXXXXXX, XXX XXXXXXX XXXXXXXXXXXX XXXXXXX XXXXXXX.

Incubation Atmosphere 37°C, 5% CO₂, XXXXXXXXXXXX XXXX

Flask Coating XXX XXXX

