

Client:	Company/Institute:
E-mail:	Tel:
Request No.:	Distribute No.:
Report No.:	Report approval date:
Reporter:	Report approver:

**Biological Sample Information for Requested Service**

Type of sample:	Sample Code:
Packaging:	Quantity:
Collection Date:	Time:
Separation Date:	Time:
Freezing Date:	Time:
Distribute Date:	Time:

**Biological Sample Quality Analysis**

**A. Percentage of live cells**

Process	Analyzed by	Analyze Date	Analyze Time	Cell viability (%)

**B. %Purity (Total cell)**

Process	Immunophenotyping	Analyzed by	Analyze Date	Analyze Time	Percentage

This certificate report of biological sample and data, which includes the results of biological sample quality analysis, is prepared by the Biobank of Innovate Biotech. Only samples that have undergone quality analysis are certified. Copying of this report without permission is prohibited, except for complete copies. Disclosure of the information in this report to the public or unauthorized persons is not allowed.

**C. Sterility Test**

No.	Test	Method	Result
1.	CMV	RealTime PCR	
2.	EBV	RealTime PCR	
3.	HSV (Type 1+2)	RealTime PCR	
4.	HBV	RealTime PCR	
5.	HIV	RealTime PCR	
6.	HCV	RealTime PCR	
7.	Mycoplasma	PCR	
8.	Syphilis VDRL	Agglutination (AGG)	

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(.....)

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Technical Manager

Biobank Director

-----END OF REPORT-----

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**Appendix**

**Biological Specimen Types and Handling Procedures**

No.	Sample Type	Specimen Type	Collection	Preparation	Preservation	Storage condition
1.	Lymphocyte Cell	Peripheral	Blood (Heparin Tube)	Isolating the cell from whole blood using density gradient centrifugation	Mixed with animal component-free, defined cryopreservation medium in cryovial tube	-196°C
2.	Natural Killer Cell (NK Cell)	blood mononuclear				-196°C
3.	Dendritic Cell	cell; PBMC				-196°C

**Analysis of Biological Sample Quality: Details and Assessment Criteria**

No.	Scope of test condition	Parameter	Method	Measured	Criteria
1.	Separation	% Cell viability	Immunostaining (Invitrogen Countess-II)	Cell viability	≥ 80%
2.	Pre storage				≥ 90%
3.	Post storage				≥ 80%
4.	In process of cell culture	% purity of Lymphocyte	Flow cytometry	CD3+	≥70%
5.		% purity of NK cell		CD16+, CD56+	
6.		% purity of Dendritic cell		CD14/HLA-DR/ CD123/CD11c	
7.	Post storage	% purity of Lymphocyte	Flow cytometry	CD3+	≥70%
8.		% purity of NK cell		CD16+, CD56+	
9.		% purity of Dendritic cell		CD14/HLA-DR/ CD123/CD11c	

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10.	In process of cell culture	Sterility Test	RealTime PCR	CMV	Not detected
11.		Sterility Test	RealTime PCR	EBV	Not detected
12.		Sterility Test	RealTime PCR	HSV (Type 1+2)	Not detected
13.		Sterility Test	RealTime PCR	HBV	Not detected
14.		Sterility Test	RealTime PCR	HIV	Not detected
15.		Sterility Test	RealTime PCR	HCV	Not detected
16.		Sterility Test	PCR	Mycoplasma	Not detected
17.		Sterility Test	Agglutination (AGG)	Syphilis VDRL	Non-reactive

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