



CSI165Fe01

Primary Feline Peripheral Blood Mononuclear Cells (PBMC)

Organism Species: Felis silvestris catus (Feline)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1st Edition (Revised in Jan, 2026)

[DESCRIPTION]

Cell Type: Mononuclear cell

Synonyms: PBMC

Strain: Feline

Age: 2-3 Months

Tissue Source: Peripheral blood

Disease: Normal

Size: $>1 \times 10^6$ cell/vial

[PROPERTIES]

Cell activity: $>85\%$ (Viability by Trypan Blue Exclusion).

Formulation: Frozen 1 mL (90%FBS+10% DMSO).

Biosafety: Negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi.

Applications: For research use only. It is not approved for human or animal use, or for application in clinical diagnostic procedures.

Growth Properties: Suspension

[CONTENTS]

Form & Buffer: Supplied as solution form in frozen stock solution (Protein-free, Chemical Defined Cell Cryopreservation Medium).

[USAGE]

Upon receiving the cells in a T-25 flask at room temperature, immediately transfer the cells to 37°C, 5% CO₂ incubator; the cells in vials, directly and immediately transfer the cells from dry ice to liquid nitrogen.

Culture conditions:

RPMI-1640+10% FBS+1% Penicillin-Streptomycin Solution+1% mononuclear cell growth supplement

Temperature: 37°C

Condition: 95% air, 5% carbon dioxide

Cell recovery:

After receiving the cells, shake at 37°C in a water bath until completely dissolved, transfer to a 15 ml centrifuge tube, add 3-5 times complete culture solution, 1000 rpm for 5 min, discard the supernatant, and place in a T25 flask for culture.



Cell culture:

The culture cycle of Feline Peripheral Blood Mononuclear Cell was limited in *vitro*. Further cultivation of PBMC is guaranteed under the conditions provided by us. However, PBMC is not recommended for expansion or long-term culture because cells do not proliferate in culture.

[Shipping]

Dry ice.

[STORAGE]

Upon receiving, directly and immediately transfer the cells from dry ice to liquid nitrogen and keep the cells in liquid nitrogen until they are needed for experiments.

[IMPORTANTNOTE]

1. Before thawing peripheral blood mononuclear cells (PBMCs), the experiment should be well prepared. It is recommended to use the cells for the experiment as soon as they are thawed. These cells are not suitable for long-term culture.
2. These cells are for research purposes only. If these cells are used in clinical diagnosis or any other procedures, we will not assume any responsibility.
3. The cells are for research use only. We will not be responsible for any issue if the cells were used in clinical diagnostic or any other procedures.

[Figure]



Figure 1

Figure 1 Morphology of Feline PBMCs (Optical microscope,×100)