AMMS® CIK Cell Expansion Reagent & Medium Kit

Catalog Number: AS-15

AMMS® CIK Cell Expansion Reagent(Product No:AS-08）

Component Descriptions						
Component Name	**Cat. No.**	**Specification**	**Amount**	**Storage**	**Product characteristics**	**Shelf Life**
CIK reagent A	AS08A	500 μL	1 stick	-20℃	lyophillization	24 months
CIK reagent B	AS08B	500 μL	1 stick	-20℃	lyophillization	24 months

AMMS® CIK Serum-free Medium(Product No:AS15-2)

Product name	**Cat. No.**	**Specification**	**Amount**	**Storage**	**Product characteristics**	**Shelf Life**
AMMS® CIK Serum-free Medium	AS15-2	1000mL	2 flasks	2~8℃	Liquid	18 Months

Product use

Culturing process:

Day 0	Day 1	Day 4	Day 6	Day 8	Day 11	Day 14 / 15
Separation PBMC	Start activation	First amplification	Second amplification	Third amplification	Fourth amplification	Harvest cells

Notes：

* Preparation of amplification solution: before the first feeding (day4), add one recombinant human IL-2 protein (high efficiency type) to the opened first bottle of culture medium after redissolving.

* Feeding time: there is no abnormality observed under the microscope, the cells grow well, the medium turns yellow, and can start to amplification. If the growth is average or poor, consider reducing the amplification or delaying the amplification.

Seeding CIK primary cells (day 0):

1. Collect blood and separation PBMC, inactivate plasma for future use.

2. Seed the cells (Seed density $1x10^6$ cells/ml) into the culture flask with serum-free medium, with a final volume of 30~50ml. Add CIK reagent A and 1.5~5ml of inactivated plasma (5% of the final volume).

3. Put the culture bottle into the CO_2 incubator for culture.

CIK cell activation induced amplification:

Day1: Add CIK reagent B, put into CO_2 incubator for further culture.

Day4: Feed about 100mL, add inactivated plasma 5~10mL. It can also be replenished according to the density. The density is between 0.5~ 1× 10^6 cells/mL after feeding. (Total volume 150mL).

Day6: Add inactivated plasma about 10~20ml， evenly transfer the cell suspension to the culture bags and feeding. (Total volume 450mL).

Day8: Feed 550mL.Bacteria detection. (Total volume 1000mL).

Day11: Divide the cell suspension evenly into two culture bags and feed equal volume. (Total volume 2000mL).

Day13: Bacteria, endotoxin and mycoplasma detection.

Day14/15: Harvest cells.