USER GUIDE

Exopresso

Cat. AEXO-50/10/S
Qty. 50 ml / 10 ml / 1 ml

Content and Storage

Cat.	Product.	Qty.	
AEXO-50/10/S	**Exopresso**	50 ml/ 10 ml/ 1 ml	*Store at room temperature 15~25℃*

Description

Exopresso is a proprietary polymer that gently precipitates exosomes and microvesicles between 30 and 200 nm in size from tissue culture media, urine, or spinal fluid. First, pre-clear your samples of cells and cellular debris, and then simply add the appropriate amount of Exopresso to your cleared biofluid, refrigerate, and centrifuge. Your exosomes will be in the pellet, ready for resuspension in an appropriate solution.

ARROWTEC

Standard Protocol

1. The reaction size is based on using 5 ml of tissue culture media or urine for exosome isolation, Set up each reaction as follows :

Bio-fluid	Sample volume	Exopresso volume
Tissue Culture media	5 ml	1 ml
Urine	5 ml	1 ml
Spinal fluid	5 ml	1 ml

2. Collect biofluid and centrifuge at 3000 × g for 15 minutes to remove cells and cell debris.
3. Mix supernatant with appropriate volume of isolation reagents in sterile vessel. Mix well by inverting or flicking the tube.
4. Refrigerate overnight at 4°C (at least 12 hours). The tubes should remain upright Do not to rotate or mix the tubes during the incubation period.
5. Centrifuge mixture at 10000 × g for 30 minutes at either room temperature or 4°C. After centrifugation, the exosomes may appear as a beige or white pellet at the bottom of the tube.
6. Carefully remove all supernatant by aspiration and do not disturb the pellet.

Standard Protocol (continued)

7. Add 5 ml PBS smoothly into the tube and be careful not to disturb the precipitated pellet.
8. Centrifuge at 10000 × g for 15 minutes and aspirate all supernatant clear fully.
   (Take care not to disturb the precipitated exosomes in pellet)
9. Resuspend exosome pellet in proper volume with PBS or specific buffer according to your downstream application.

Troubleshooting Guide

Problem	Possible Reason/Solution
Can't see pellet after centrifuging sample	Scale up the volume of culture media to precipitate more exosomes.
Pellet does not resuspend in buffer	This can occur after freezing exosome pellets. Try adding slightly more PBS to the pellet. Alternatively, you can use 0.5x PBS or water, and allow the pellet to sit at room temperature for 5-10 mins before resuspending.