

EXO GAG

CEREBRO SPINAL FLUID

Next generation of Exosome isolation
for biomarker discovery in liquid biopsy

EXOSOME PURIFICATION KIT FOR CEREBRO SPINAL FLUID

USER GUIDE

STORAGE

All components can be stored at room temperature.

PRODUCT COMPONENT

EXO GAG - CSF™ isolation kit 20ml (40 samples). 1 x User guide.

Not supplied: 1.5ml microcentrifuge collection tubes.

EXO GAG - CSF is a specific, quick and inexpensive method to optimize the process of exosome isolation.

PRODUCT INFORMATION

The EXO GAG - CSF precipitation reaction is based on the interaction between the precipitation solution and glycosaminoglycans located on exosomes surface. After a simple incubation, the exosomes can be isolated by a short centrifugation.

WHAT IS EXO GAG - CSF

EXO GAG - CSF technology allows the isolation of exosomes from cerebro spinal fluid based on the affinity of exosomes to the precipitation reagent, which allows their isolation from a complex sample. EXO GAG - CSF is a patented exosome purification method that allows the isolation of exosomes from a cerebro spinal fluid sample with a minimal amount of co-precipitated material, such as protein or genetic material (DNA, RNA or microRNA) which makes it an ideal product for biomarkers research and their transfer to the clinic.

**High
sensitivity
and
specificity**

Fast

Inexpensive

**Small
sample
needed**

**No specific
equipment
needed**

SAMPLE

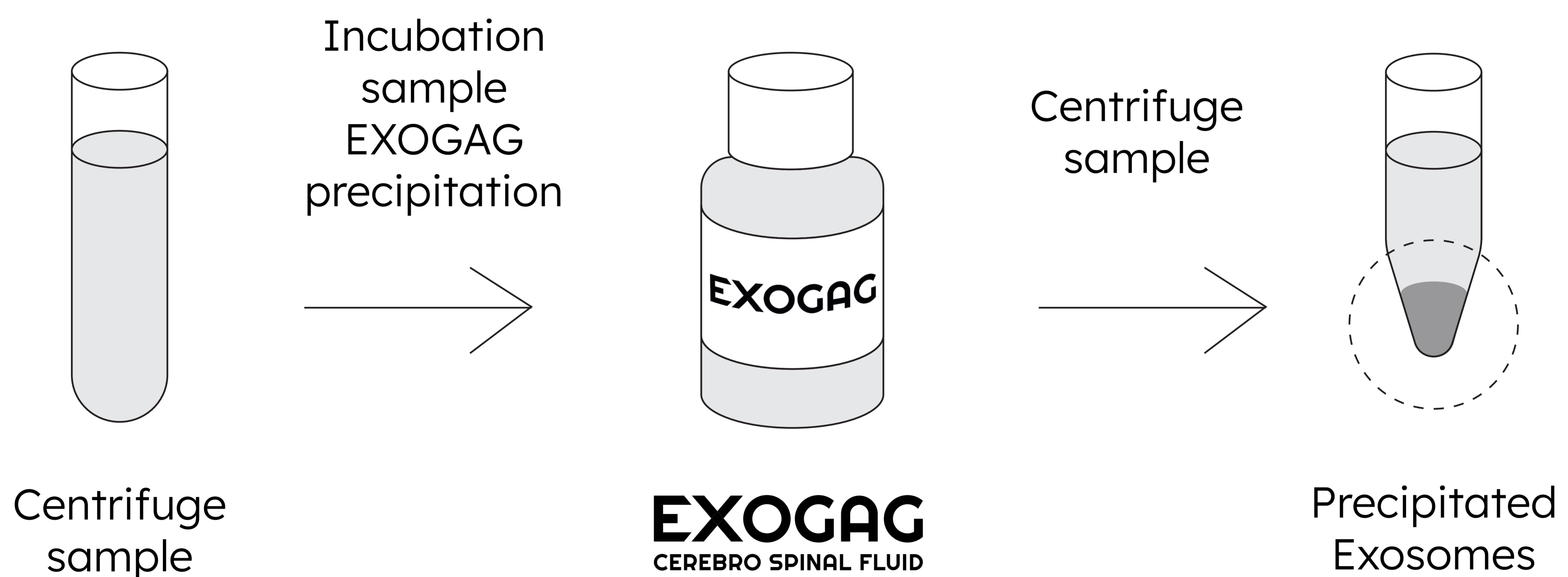
SAMPLE, vol.

EXOGAG - CSF, vol.

Cerebro Spinal Fluid

250µl

500µl



PROTOCOL

EXOGAG - CSF Exosomes Isolation Protocol.

- 1. Collect CSF sample.** Samples can be frozen until the moment they are used; if the samples have been frozen, thaw and temper them before processing.
- 2. Centrifuge the sample** at 2000 x g for 5' to remove cells and cell debris.
- 3. Transfer the supernatant** to a new tube and discard the pellet of possible cell debris.
- 4. Add the volume of sample** to isolate exosomes to a new tube and add twice the volume of EXOGAG - CSF precipitation reagent, as shown in the table.
- 5. Mix the sample** and EXOGAG - CSF precipitation reagent by inverting the tube or vortexing to homogenize the final solution (the solution will have a characteristic blue colour).
- 6. Incubate the sample** for 5' at 4°C.
- 7. Centrifuge the sample** at 3000 x g; 15' at 4°C.
- 8. Remove the supernatant** being careful not to remove the pellet containing the exosomes (this pellet will be dark blue).
- 9. Resuspend the exosomes** in the appropriate buffer (pipetting repeatedly up and down), depending on the technique.