

PRODUCT SPECIFICATIONS

Chromosome FBS

Ref: EKS0195D / EKS0195L

Product Description

Tested serum for Cytogenetics (EC approved)

Packaging

100 ml - Ref. EKS0195D

500 ml - Ref. EKS0195L

Company Manufacturer

EuroClone Spa



General Characteristics:

Chromosome FBS is a serum tested in EuroClone laboratories for Cytogenetic applications. The use is suggested for postnatal Cytogenetics applications: peripheral blood and bone marrow cells culture. Moreover Chromosome FBS is suitable for prenatal applications: amnion and corionic villi cells culture.

Chromosome FBS is manufactured according to relevant current Good Manufacturing Practices (GMP) guidelines. All raw materials are certified (EC approved) and each batch is sample tested by independent laboratories. All the products are controlled for the presence of virus and mycoplasma.

- Screened for cytogenetics application.
- 100nm filtered.
- Peripheral blood and bone marrow cells culture.
- Suitable for amnion and corionic villi cells culture.
- Ideal for pre and post natal diagnostics.
- Shelf life 5 years.
- Store at -20°C.
- Manufactured according to relevant current GMP guidelines.
- All raw materials are certified EC approved.

Quality Control:

The verification of mitotic index (percentage of mitosis on number of nuclei) is executed after 72 hours of culture in medium composed by: RPMI 1640, Glutammine, PHA and Chromosome FBS 10%.

Product Stability:

Store Chromosome FBS at $-20 \pm 2^{\circ}\text{C}$. Once thawed, it must be stored at a temperature between $+2^{\circ}\text{C}$ and $+8^{\circ}\text{C}$ for maximum one month. The shelf life of the product is 5 years.

Heat inactivation:

If required the following procedure can be used to heat-inactivate serum:

1. preheat water bath to 56°C . There must be sufficient water to immerse the bottle above the level of serum.
2. mix thawed serum by swirling and place serum bottle in the 56°C water bath (the temperature of the water bath will drop).
3. when the temperature of the water bath reaches 56°C again, continue to heat for an additional 30 min. Swirl gently every 10-5 min to ensure uniform heating.
4. remove serum from water bath and immediately cool the serum in an ice bath.

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