R&D SYSTEMS
a bio-techne brand

Mouse Serum

Standard and Heat-inactivated

	Catalog Number:	Size:
Mouse Serum	S18110	100 mL
	S18193	25 mL
Mouse Serum, Heat Inactivated	S18110H	100 mL
	S18193H	25mL

PRODUCT DESCRIPTION

Mouse Serum is used in various research applications. It is obtained from healthy laboratory animals that have been raised under strict barrier conditions and are monitored on a regular basis for murine pathogens. Controlled standard diets and adherence to strict collection and production protocols minimize lot-to-lot variations. Mouse Serum is manufactured in our ISO 9001:2015 certified facility.

STORAGE AND HANDLING

Mouse Serum is supplied in gamma irradiated PETG or PETE bottles. It is recommended that the serum be stored frozen at a temperature of -5 °C to -20 °C. Multiple freeze-thaw cycles of the serum should be avoided as this may lead to deterioration of the product. If intermittent usage of the product is anticipated, either the smaller package sizes should be purchased or the serum should be divided into smaller aliquots suitable for single use. Always use aseptic techniques when handling the serum and aliquot into sterile containers.

PRECAUTION

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.

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FILTRATION

Approved lots of raw serum are thawed under controlled conditions and sterile filtered by an in-line process that uses a series of filters in descending pore size, utilizing 0.2 µm filters for the final filtration step. Filling takes place in a laminar flow hood certified to maintain Class 100 conditions, in a filling room maintained under positive pressure with HEPA-filtered air. The serum is aseptically dispensed into gamma irradiated PETG or PETE bottles. Filled containers are immediately labeled and frozen, and then maintained at temperatures less than -5 °C to preserve the product quality.

QUALITY CONTROL TESTING

Each individual lot of serum manufactured is subjected to a series of quality control testing procedures and must comply with set specifications and acceptance criteria before release for distribution. Key quality assessment criteria and results are documented in a certificate of analysis specific to the serum lot tested.

MICROBIOLOGICAL TESTING:

Each lot of serum is tested to confirm the absence of bacterial or fungal contamination using modified methods referenced in the U.S. Pharmacopeia.

HEAT-INACTIVATION

Mouse Serum is available in a heat-inactivated format. The most common objective of heat inactivation is to destroy heat-labile components such as complement that may adversely affect the growth performance of some cell cultures. Serum is inactivated by raising the temperature to 56 °C for 30 minutes under controlled conditions. Researchers should evaluate the applicability of heat inactivation as it pertains to their cell culture requirements.