



Serum Selection in Cell Culture

More Than Just FBS

In cell culture, serum is a critical yet often underestimated component. While Fetal Bovine Serum (FBS) is widely used, it is not always the optimal choice for every cell type or application. The biochemical composition of serum varies significantly depending on species, donor age, and immunological profile. These differences can influence cell growth, differentiation, signaling pathways, and the reproducibility of experimental results. Capricorn Scientific offers a comprehensive portfolio of high-quality animal sera tailored to meet the specific needs of diverse research and production environments.

SERUM TYPE	RECOMMENDED APPLICATIONS	SPECIAL FEATURES
(Newborn) Calf Serum	» Robust cells large-scale culture	» Cost-effective alternative to FBS
Adult Bovine Serum	» Cell washing, blocking buffers	» For cultivation and analytical applications
(Donor) Horse Serum	» Slow-growing adherent cells	» Ideal for immunological assays
Goat Serum	» Immunoassays, IHC/IF blocking	» Low cross-reactivity with human antibodies
Rabbit Serum	» ELISA blocking	» Naturally high antibody levels
Porcine Serum	» Immunology, toxicology assays	» Human immune systems compatible
Rat Serum	» Rodent cells, hybridomas	» Species-compatible models
Mouse Serum	» Rodent cells, mAb production	» Supports hybridoma fusion and selection
Chicken Serum	» Avian cells & virus production	» Low protein/lipid content
Sheep Serum	» Cell fusion, ELISA, viral work	» Mild immune activity

BEYOND FBS: WHEN ALTERNATIVE SERA ARE PREFERABLE

FBS is well-suited for many sensitive primary cells and immortalized lines. However, for robust cell types, hybridoma cultures, large-scale production, or immunological studies, alternatives such as Adult Bovine Serum, Donor Horse Serum, or Newborn Calf Serum may provide equal or better performance – often at lower cost. Specialized sera like Goat, Rabbit, or Chicken Serum offer species-specific advantages in immunoassays or niche applications.



ORDER INFORMATION

PRODUCT	VOL.	CAT.NO.
Adult Bovine Serum	1000 ml	ABS-1D
	500 ml	ABS-1A
	100 ml	ABS-1B
Calf Serum	1000 ml	CS-1D
	500 ml	CS-1A
	100 ml	CS-1B
Newborn Calf Serum	1000 ml	NCS-1D
	500 ml	NCS-1A
	100 ml	NCS-1B
Newborn Calf Serum Heat Inactivated	500 ml	NCS-HI-1A
	100 ml	NCS-HI-1B
Donor Horse Serum	500 ml	DHS-1A
	100 ml	DHS-1B
Horse Serum	500 ml	HOS-1A
	100 ml	HOS-1B
Goat Serum	500 ml	GOA-1A
	100 ml	GOA-1B
Mouse Serum	100 ml	MOU-1B
Rat Serum	100 ml	RAT-1B
Porcine Serum	500 ml	POR-1A
	100 ml	POR-1B
Rabbit Serum	100 ml	RAB-1B
Sheep Serum	500 ml	SHP-1A
	100 ml	SHP-1B
Chicken Serum	500 ml	CHI-1A
	100 ml	CHI-1B



SCAN FOR MORE
INFORMATION

For further support, feel free to contact our experts at techservice@capricorn-scientific.com or phone (+49 6424 944 64 0).

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