

SPECIFICATION

Product : Fetal Calf Serum, sterile filtered **Page** : 1 / 1
Product no. : 0410003050 500 mL **Version** : 2
valid from : 02/06

Synonym : FCS, sterile filtered
 FCS, sterile

Origin : EU-accepted countries

Tests	Methods	Specification
Sterility	acc. to USP < 71 >	sterile
Mycoplasmas	DAPI : DNA-coloration 2.6.7	negative
BVDV-nAK PI-3-nAK BHV-1-nAK	Virus-neutralisation-test under evaluation of the zytopathic effect resp. the use of Peroxidase-linked antibodies	Titer
Virus (BVD, PI-3, BHV-1)	Virus growth in cell culture and Immune-Peroxidase-technique: serum-neutralisation-test	negative
Plating efficiency	Mouse fibroblasts in DMEM with 20% serum	relative and absolute PE in %
Cell growth	L929: Mouse fibroblasts in DMEM with 10% serum	Seeding 1 x 10 ⁴ cells
Total protein	Biuret (method 5) 2.5.33	3,5 – 4,5 g/dL
Bacterial endotoxins	LAL-test (method D) 2.6.14	≤1 ng/mL
Osmolality	freezing point reduction 2.2.35	260 – 340 mOsm/KgH ₂ O
Glucose	Indicator stick „Accutrend“ Roche Diagnostics GmbH	30 – 80 mg/dL
Hemoglobin	acc. to Flemming, F. & Woolf, J. Clin. Chim. Acta, 12 (1965) 67-74	≤20 mg/dL
pH	potentiometr. method 2.2.3	7,0 – 8,5
cut-off of the sterile filter	certificate of manufacturer	0.1µm

Primary packing : sterile Nalge-PETG-bottles
Storage : ≤ -20°C
Durability : 3 years