

Dialyzed FBS (D-FBS)

● Product Information

Product Name	Catalog Number	Unit Size
Dialyzed FBS	DF-50	50mL
Dialyzed FBS	DF-100	100mL
Dialyzed FBS	DF-500	500mL

● Product Description

Serum Type	Dialyzed Fetal Bovine Serum (FBS)
Serum Treatment	Dialyzed (10kDa cutoff)
Endotoxin level	≤50 EU/ml
Hemoglobin level	≤25 mg/dl
Storage Condition	-20°C
Shelf Life	2 Years

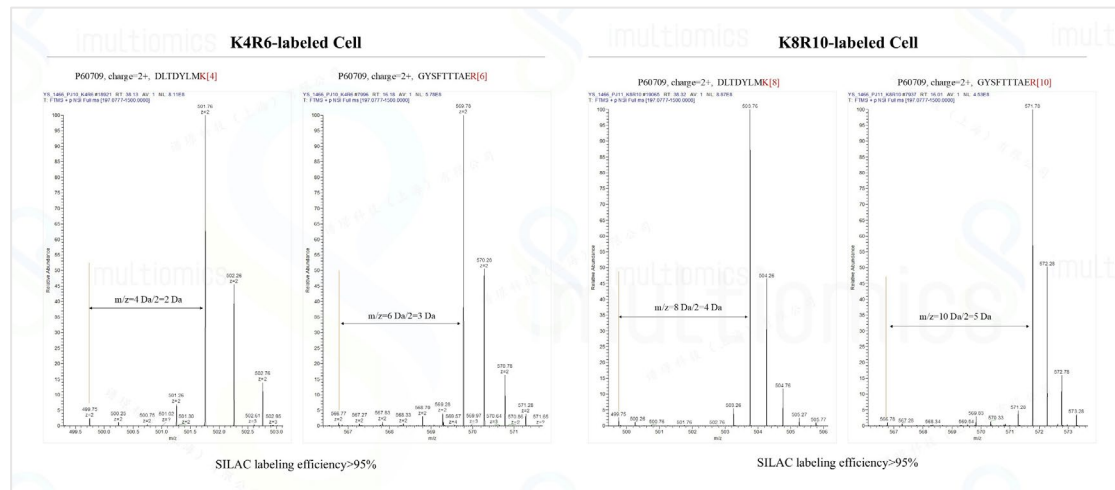
● Usage & Application

- DF-50/100/500 is an ideal FBS supplement for cell SILAC (*stable isotope labeling with amino acids in Cell culture*) labeling, which can greatly increase the SILAC labeling efficiency due to most of free amino acids and small peptides are removed via dialysis (10 kDa cutoff).
- DF-50/100/500 is completely compatible with our diverse SILAC kit (below).
- DF-50/100/500 can also be used as FBS supplement in traditional cell culture.

● The related products

Catalog Number	Product Name
SM202103	SILAC DMEM (K8R10) Kit
SM202104	SILAC DMEM (3plex) Kit
SM202108	SILAC RPMI (K8R10) Kit
SM202109	SILAC RPMI (3plex) Kit

● Supplementary Data



SILAC labeling efficiency MS check. Human cell line was labeled with *SILAC-DMEM (3plex) Kit* ([Imultiomics, #SM202104](#), *DF-50 in the Kit*) for 5 passages. Protein samples of K4R6- and K8R10-labeled cells were extracted and digested using *Co-IP/Pull-down In-solution Trypsin Digestion (ISD) Kit* ([Imultiomics, #MG04](#)). Desalted peptides were measured by Orbitrap Fusion (ThermoFisher Scientific). The representative peptides of β -actin showed that SILAC labeling efficiency were more than 95%, suitable for downstream applications.