

## 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

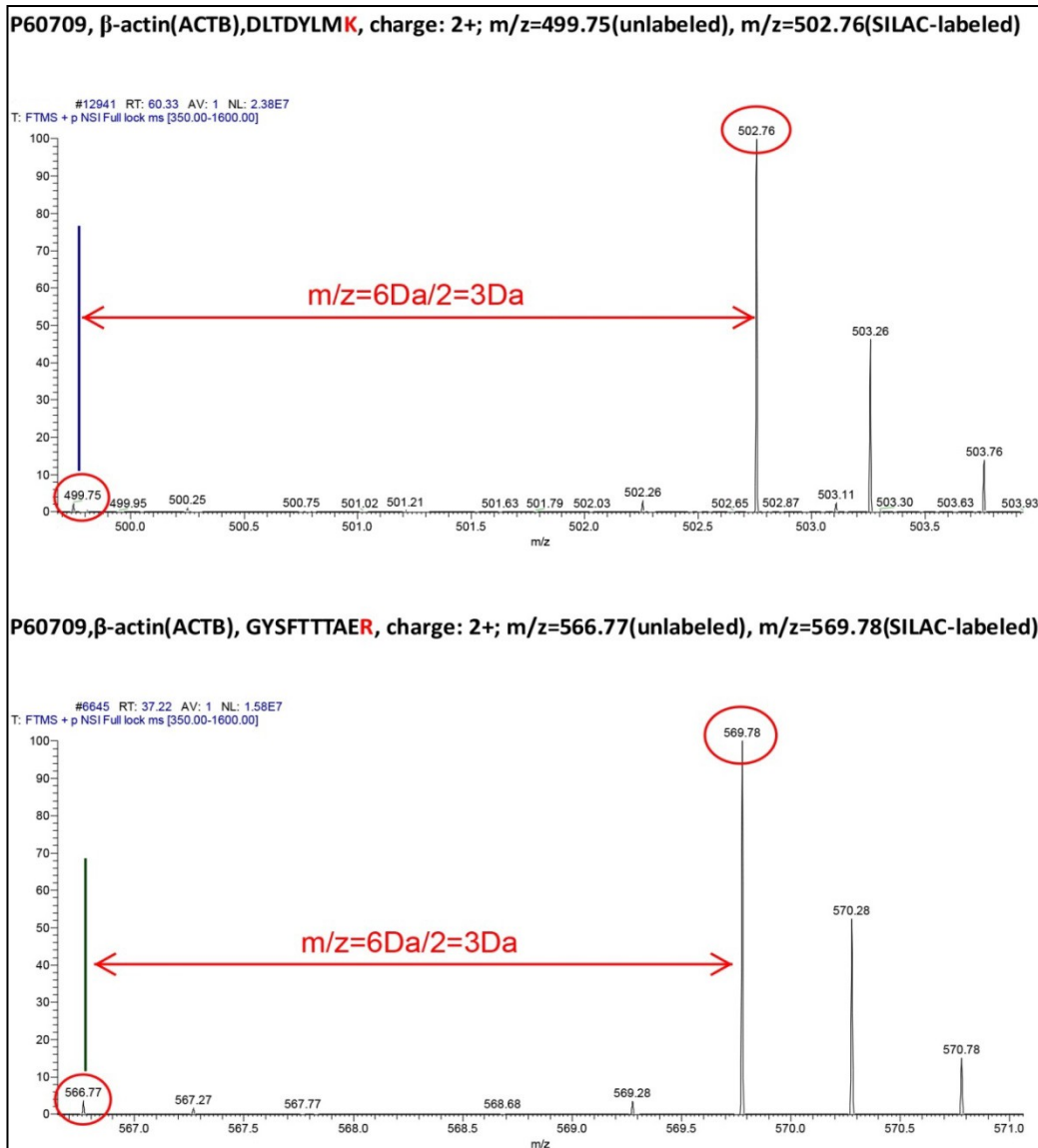
### ● Usage & Application

- 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
SM202101	SILAC DMEM (K6R6) Kit
SM202102	SILAC DMEM (K6R10) Kit
SM202103	SILAC DMEM (K8R10) Kit
SM202104	SILAC DMEM (3plex) Kit
SM202105	SILAC DMEM (4plex) Kit
SM202106	SILAC RPMI (K6R6) Kit
SM202107	SILAC RPMI (K6R10) Kit
SM202108	SILAC RPMI (K8R10) Kit
SM202109	SILAC RPMI (3plex) Kit
SM202110	SILAC RPMI (4plex) Kit

● **Supplementary Data**



**Detection of SILAC labeling efficiency by LC-MS.** Cells were labeled with our SILAC DMEM (K6R6) Kit (#SM202101) supplemented with DF-50 for six passages. Proteins were extracted and digested with trypsin, and the tryptic sample was tested by Q-Exactive mass spectrometry (Thermo Fisher Scientific). As indicated by two peptides derived from  $\beta$ -actin, the SILAC labeling efficiency reaches to 95%.