

Tet System Approved FBS

More options to achieve the best results

- Functionally tested for optimal Tet induction
- The only choice for Tet-induced expression of toxic proteins
- Two options:
 - US-Sourced, our premium FBS
 - USDA-Approved, our economical alternative

The problem: Trace tetracycline contaminants in standard Fetal Bovine Serum (FBS) can alter experimental results by enabling background expression in BD Tet-On™ Systems and suppressing maximum expression levels in BD Tet-Off™ systems.

The solution: Tet System Approved FBS from BD Biosciences Clontech, the only functionally-tested FBS approved for use with our BD Tet-On and BD Tet-Off Systems. The functional testing makes our FBS superior because it ensures that you will be able to achieve the full range of inducibility and the lowest background possible with our Tet Systems (Figure 1). Just testing for antibiotics in FBS may not detect trace levels of tetracycline and its derivatives. Trace amounts can significantly alter the inducibility of the Tet Expression Systems. Some Tet cell lines can be affected by as little as picograms/ml concentrations of tetracyclines.

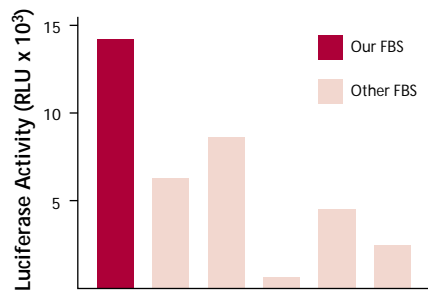


Figure 1. Serum source affects luciferase expression levels in BD Tet-Off™ Cells. BD Tet-Off Cells grown in the presence of 10% Tet System Approved FBS were compared to identical cultures grown in the presence of 10% of other lots of “antibiotic-free” FBS. In BD Tet-Off cell lines, gene expression is normally maximal in the absence of Tetracyclines (Tc). Tc levels are high enough in some lots of commercial serum to completely shut off TRE-regulated genes in a BD Tet-Off Cell Line, and to fully induce TRE-regulated genes in a BD Tet-On cell line (data not shown). RLU = relative light units.

We now offer two different versions of Tet System Approved FBS. The US-Sourced FBS is the same high-quality product that we have been supplying for years. The new USDA-Approved FBS undergoes all the same testing as US-Sourced FBS, is collected in USDA-approved facilities, and meets USDA standards for quality. Both of our Tet System approved FBS types are now available in a trial size. See for yourself the difference functional testing can make!

Product	Size	Cat. #
Tet Approved FBS, US-Sourced	50 ml	8630-y
	500 ml	8630-1
Tet Approved FBS, USDA-Approved	50 ml	8637-y
	500 ml	8637-1

NEW!

Related Products

- BD Tet-On™ System (#K1621-1)
- BD Tet-Off™ System (#K1620-1)
- BD RevTet-On™ System (#K1627-1)
- BD RevTet-Off™ System (#K1626-1)
- BD Adeno-X™ Tet-On™ System (#K1652-1)
- BD Adeno-X™ Tet-Off™ System (#K1651-1)