

B-27 SUPPLEMENTS: BE PUBLISHED, BE PRODUCTIVE

For nearly 30 years, researchers have been relying on Gibco™ B-27™ supplements to help achieve publication-quality data.

The Gibco™ B-27™ Serum-Free Supplement was the first commercially available serum-free supplement for neural cell culture. It was developed for the long-term culture of rat hippocampal and cortical neurons. The publication record of B-27 supplements demonstrates the utility of these products well beyond the applications originally described.

Available exclusively from Thermo Fisher Scientific, the family of B-27 supplements is the most referenced supplement group for neural cell culture. B-27 supplements have been cited in thousands of peer-reviewed publications spanning a variety of different cell types and used in research on many different neurological disease models.

Benefits of B-27 supplements:

- Optimized serum substitute for neural cell culture
- The most referenced neural cell culture supplement—30,000 publications and counting
- Manufactured under strict CGMP guidelines to minimize performance variability (Figure 1)
- Multiple formulations of the original B-27 Serum-Free Supplement are available to fit many applications

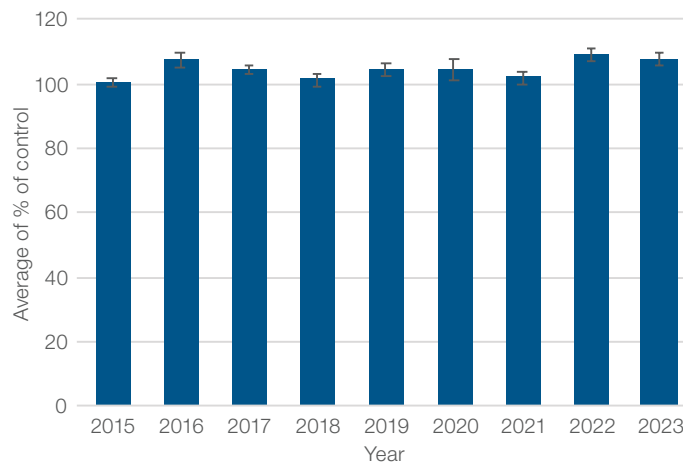


Figure 1. Average lot-to-lot performance of B-27 supplements.

Quality control (QC) testing data from 2015–2023 show neuron survival with use of B-27 Serum-Free Supplement (Cat. No. 17504-044) is greater than 98% on average.

Ordering information

Product	Description	Application	Cat. No.
Gibco™ B27™ supplements			
B-27 Supplement	Original serum-free formulation (10 mL)	For growth and long-term viability of neurons	17504044
	100 mL of original formulation		17504001
B-27 Plus Supplement (50X)	Optimized to maintain and mature functional neurons at optimal densities over long periods	Maintenance and maturation of prenatal primary neurons and electrophysiology studies	A3582801
B-27 Supplement Minus AO (antioxidants)	Supplement without 5 antioxidants	For studies of oxidative damage, apoptosis, or other applications involving free radicals	10889038
B-27 Supplement Minus Insulin	Supplement without insulin	For studies in which insulin may interfere (such as differentiation of stem cells into mesodermal lineages)	A1895601
B-27 Supplement Minus Vitamin A	Supplement without vitamin A	For proliferation of stem cells where vitamin A (retinoic acid) may interfere	A1370701
Gibco™ CTS™ supplements			
CTS B-27 Supplement XenoFree	Original formulation	For growth and long-term viability of neurons	A5047501
CTS B-27 Supplement XenoFree Minus Vitamin A	Supplement without vitamin A	For proliferation of stem cells where vitamin A (retinoic acid) may interfere	A5047601
CTS B-27 Supplement XenoFree Minus Insulin	Supplement without insulin	For studies in which insulin may interfere (such as differentiation of stem cells into mesodermal lineages)	A5047701
CTS N-2 Supplement	Based on Bottenstein's N-1 formulation	For neuroblastomas and postmitotic neurons	A1370701
Gibco™ CTS™ media			
CTS Neurobasal Medium	Original formulation	Maintains pure populations of neuronal cells without an astrocyte feeder layer—for prenatal and fetal neurons	A1371201
CTS Neurobasal-A Medium	Adult formulation	For postnatal and adult neurons	A1371001

 Learn more at thermofisher.com/b27

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