


Opti-Plex™ Complexation Buffer

Catalog Number A4096801

Pub. No. MAN0018608 Rev. A.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

Opti-Plex™ Complexation Buffer is a cGMP-manufactured, chemically defined, animal origin-free (AOF), methionine-free, biotin-free, low-protein transfection complexation buffer based on Opti-MEM™ I Reduced Serum Medium. It is designed for DNA complexation with ExpiFectamine™ transfection reagents for both standard transfection applications and transfections to generate methionine-labeled proteins.

Contents and storage

Content	Amount	Storage	Shelf life ^[1]
Opti-Plex™ Complexation Buffer	100 mL	2–8°C Protect from light	12 months

^[1] Shelf life duration is determined from date of manufacture.

Procedural guidelines










- Opti-Plex™ Complexation Buffer can be used with various transfection reagents including Lipofectamine™ and ExpiFectamine™ Transfection Reagents.
- Opti-Plex™ Complexation Buffer can be used for protein labeling in Expi293F™ cells. For detailed instructions, refer to *Expi293™ Expression System User Guide* (MAN0007814) available at thermofisher.com.
- Opti-Plex™ Complexation Buffer can be used instead of Opti-MEM™ I for standard transient transfections in the Expi293™ Expression System. This enables transient transfections under AOF conditions. For more information and protocols using the Expi293™ Expression System, refer to the *Expi293™ Expression System User Guide* (Pub. No. MAN0007814) available at thermofisher.com.
- Opti-Plex™ Complexation Buffer can be used as an AOF alternative to Opti-MEM™ I with Lipofectamine™ Transfection Reagents.
- Opti-Plex™ Complexation Buffer uses a sodium bicarbonate buffer system and therefore requires a 5–10% CO₂ environment to maintain physiological pH.

Related products

Product	Cat. No.
Expi293F™ Cells (1 × 10 ⁷ cells/vial)	A14527
Expi293F™ Cells, 6 vial “Cell Bank” pack (1 × 10 ⁷ cells/vial)	A14528
Expi293™ Expression Medium	A1435101
Expi293™ Met (-) Protein Labeling Kit	A41249
ExpiFectamine™ 293 Met (-) Transfection Kit	A39249
Opti-Plex™ Complexation Buffer	A4096801
Nalgene™ Single-Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile	4115-0125

Explanation of symbols

The symbols present on the product label are explained in the following table.

	MANUFACTURER		USE BY
	PROTECT FROM LIGHT		CONSULT INSTRUCTIONS FOR USE
	CATALOG NUMBER		CAUTION, CONSULT ACCOMPANYING DOCUMENTS
	BATCH CODE		UPPER AND LOWER LIMITS OF TEMPERATURE
	Sterilized using aseptic processing technique		

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale at www.thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.



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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

The information in this guide is subject to change without notice.

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Revision	Date	Description
A.0	14 April 2019	New document.

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