


# Cathode Buffer Container 3500/Flex Series

SeqStudio™ Flex and 3500 series instruments

Catalog Number 4408256

Pub. No. 4408239 Rev. F

 **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](http://thermofisher.com/support).

## Product description

The Cathode Buffer Container (CBC) contains 1X running buffer for capillary electrophoresis. The container has two compartments: one for the cathode buffer for electrophoresis; one for a capillary wash and spent polymer waste ejection functionality between injections.

The CBC is a ready-to-use, disposable container with a radio frequency identification (RFID) tag incorporated into the label. The instrument uses the RFID tag to track buffer usage and expiration.

## Contents and storage

Cat. No.	Description	Storage
4408256	Cathode Buffer Container 3500/Flex Series (CBC), 4 pack Contains 1X running buffer	2–8°C The buffer has been qualified to ship at ambient conditions. For a description of the qualification, go to <a href="http://find.thermofisher.com/ce/ambientbuffers/email?CID=fl-we18868">http://find.thermofisher.com/ce/ambientbuffers/email?CID=fl-we18868</a> .

## Required materials not supplied

Item	Cat. No.
Septa Cathode Buffer Container 3500/Flex Series	4410715

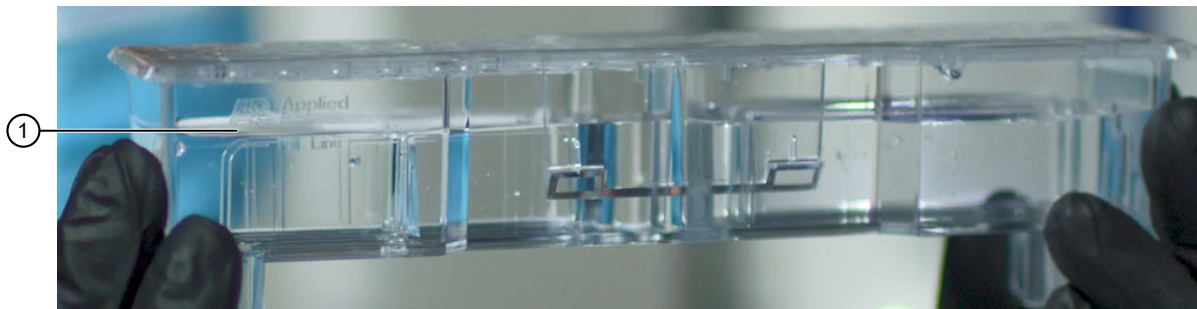
## Expiration date/on-instrument supported limits

The on-instrument life is determined by the limit that is reached first—number of days after first installation, injections performed, or expiry date. Usage is tracked by the system software.

Instrument	On-instrument supported limits Lower of:	Guidelines
8-capillary	14 days, 240 injections, or expiry date	The buffer has been verified for use for up to 14 days on the instrument. The software displays a warning message when a usage limit is met and allows you to continue running. Before doing so, see "Important notice regarding use of consumables that exceed supported limits" on page 2.
24-capillary	14 days, 100 injections, or expiry date	

## Prepare the Cathode Buffer Container (CBC)

1. Check the expiration date on the label to ensure that the CBC is not expired and will not expire during use.
2. Allow refrigerated CBC to equilibrate to ambient temperature.
3. Wipe away condensation on the CBC exterior with a lint-free tissue. Condensation can cause arcing and termination of the run.
4. Check that the seal is intact. Do not use if the buffer level is too low or the seal has been compromised. A fill tolerance of  $\pm 0.5$  mm is acceptable.



① Fill line

5. Tilt the CBC back and forth gently and carefully to ensure that the buffer is evenly distributed across the top of the baffles. If you do not tilt the CBC back and forth, the buffer sticks to the baffles because of surface tension.
6. Verify that the buffer is at or above the fill line.
7. When ready to install the CBC, place the container on a flat surface (such as a lab bench) and peel off the seal.
8. Wipe off any buffer on top of the CBC with a lint-free tissue. Ensure that the top of the container is dry. Moisture can cause arcing, termination of a run, or damage to the instrument.
9. Place the septa (Cat. No. [4410715](#)) on the CBC.
  - a. Align the buffer septum (the part that is symmetrical) over the 24 holes of the CBC.
  - b. Push the septum lightly into the holes to start, then push firmly to seat it.
  - c. Align the capillary washing septum over the other chamber of the CBC.
  - d. Push the septum lightly into the holes to start, then push firmly to seat it.

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**IMPORTANT!** Look at the CBC from the side and ensure that there is no gap between the container and the lip of the septum.

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**IMPORTANT!** Ensure that the washing septum is securely seated to prevent displacement of the septum during operation.

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To install the CBC on the instrument, see your instrument user guide.

## Important notice regarding use of consumables that exceed supported limits

### **BEFORE DISMISSING THE WARNING THAT THE CONSUMABLES HAVE REACHED SUPPORTED LIMITS AND CONTINUING WITH OPERATION OF THE INSTRUMENT, PLEASE READ AND UNDERSTAND THE FOLLOWING IMPORTANT NOTICE AND INFORMATION:**

Thermo Fisher Scientific does not recommend the use of consumables that exceed supported limits. The recommended limits are designed to promote the production of high-quality data and minimize instrument downtime. Reagent and consumable lifetime minimum performance are based on testing and studies that use reagents and consumables that have not exceeded supported limits.

The use of consumables beyond the supported limits may impact data quality or cause damage to the instrument or capillary array. The cost of repairing such damage is *NOT* covered by any Thermo Fisher Scientific product warranty or service plan. Customer use of expired consumables is at customer's own risk and without recourse to Thermo Fisher Scientific. For example, product warranties do not apply to defects resulting from or repairs required due to misuse, neglect, or accident including, without limitation, operation outside of the environmental or use specifications or not in conformance with Thermo Fisher Scientific instructions for the instrument system, software, or accessories.

Please see your specific service contract or limited product warranty for exact language regarding coverage and ask your Thermo Fisher Scientific representative if you have further questions.

## 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](http://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](http://www.thermofisher.com/support).



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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](http://thermofisher.com/symbols-definition).

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

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**Revision history:** Pub. No. 4408239

Revision	Date	Description
F	31 January 2022	Added the SeqStudio™ Flex Series Genetic Analyzer. Added required materials table. Revised procedure to apply to different instrument models. Updated branding and legal information.
E	31 March 2015	Baseline for this revision.

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