

AES cIEF Peptide pI Markers

Product Insert

CEInfinite

Introduction

AES peptide pI markers are designed to deliver reliable performance in cIEF/icIEF applications. Supplied in a lyophilized format, they offer enhanced stability and convenient storage. AES provides a comprehensive range of pI values to support a wide variety of analytical and method development needs. These markers are compatible with both **280 nm UV** absorbance and **fluorescence** detection. Unique fluorescent pI markers, including pI **5.28** and pI **8.18**, are available to enable risk-free method transfer from UV-based to fluorescent icIEF workflows. Peptide pI markers designated with an asterisk (*) are resistant to Carboxypeptidase B (CPB). AES cIEF/icIEF peptide pI markers are intended for use on CEInfinite icIEF systems and are fully compatible with other commercially available cIEF/icIEF platforms.

AES Peptide pI Marker List

pI	Description	PN	Amount
3.38	pI Marker 3.38 Peptide	100234	250 uL
4.05	pI Marker 4.05 Peptide	100242	250 uL
4.60*	pI Marker 4.60 Peptide	100246	250 uL
5.28*	pI Marker 5.28 Peptide	100235-F	250 uL
5.72*	pI Marker 5.72 Peptide	100250	250 uL
5.85*	pI Marker 5.85 Peptide	100211	250 uL
6.14	pI Marker 6.14 Peptide	100213	250 uL
6.77*	pI Marker 6.77 Peptide	100247	250 uL
7.00	pI Marker 7.00 Peptide	100215	250 uL
7.05*	pI Marker 7.05 Peptide	100216	250 uL
7.27	pI Marker 7.27 Peptide	100244	250 uL
7.46*	pI Marker 7.46 Peptide	100243	250 uL
8.18*	pI Marker 8.18 Peptide	100221-F	250 uL
8.40	pI Marker 8.40 Peptide	100222	250 uL
8.79	pI Marker 8.79 Peptide	100223	250 uL
8.88*	pI Marker 8.88 Peptide	100256	250 uL
9.50	pI Marker 9.50 Peptide	100227	250 uL
9.71*	pI Marker 9.71 Peptide	100253	250 uL
9.99	pI Marker 9.99 Peptide	100236	250 uL
10.00	pI Marker 10.00 Peptide	100238	250 uL
10.17	pI Marker 10.17 Peptide	100237	250 uL
11.20	pI Marker 11.20 Peptide	100241	250 uL

Important Information

The Peptide pI markers come lyophilized. To maintain its quality, always reseal the foil bag with desiccant after opening to prevent moisture absorption.

You may also need

- CEInfinite icIEF analytical cartridges, PN CP00201/CP00301
- 2 mL Glass Sample Vial, PN SV00701
- 300 uL PP sample vial, PN SV00801
- Electrolyte Solutions (Anolyte, Catholyte), PN 101010
- Condition solution 0.35% MC, PN 101099.
- Deionized (DI) water
- Pipettes and tips
- Microcentrifuge and tubes
- Vortex
- Centrifuge with plate or vials adapter (12 mm, 2 mL vials)

Kit Storage

Store lyophilized pI Markers at -10 °C to -30 °C. Reconstituted marker solution can be stored for 30 days at 2-8°C or at -10 °C to -30 °C for up to 6 months.

Ordering Info

The pI markers can be ordered by:

- Phone: 1-519-653-6888
- Email: orders@aeslifesciences.com

Preparation Procedure

1. Open peptide pI marker vial with lyophilized cake and spin down the cake before opening.
2. Add **250 uL** DI water. Vortex 3 times, 5 seconds each time to completely reconstitute the lyophilized cake. Repeat this step for all pI markers you are using.
3. Reconstituted marker solution can be stored for 30 days at 2-8°C or aliquoted and stored at -10 °C to -30 °C for up to 6 months.
4. **Optional:** Aliquot 20 uL of each reconstitute pI markers into separate tubes. Aliquoted solutions can be stored at can be stored for 30 days at 2-8°C or stored at -10 °C to -30 °C for up to 6 months.

Note: For icIEF analysis, add 0.5% (v/v) pI marker to your sample (1 uL per 200 uL sample).

Reference

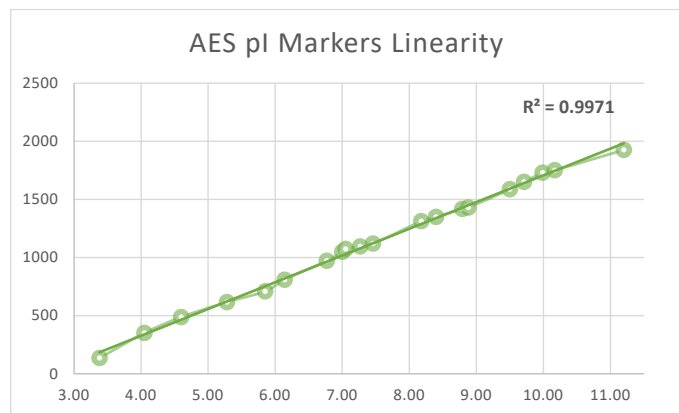


Fig 1. AES pI markers demonstrate superior linearity.



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