

# iCIEF/CEInfinite Fractionation System Test Kit

P/N 100052  
Product Insert

## Introduction

The CEInfinite fractionation system test kit is designed to provide users with a convenient method of checking the CEInfinite prep system. It can be used for prep system check after new installation or training purpose, trouble shooting.

Kit Contents		
Solution #	Description	Qty/Amt
1	iCIEF fractionation extraction solution with 4 pI markers premixed	5 mL
2	IEF solution 8% pH 3-10 with 4.22/9.46 pI premixed	25mL

## Preparation Procedure

- Transfer 200µL of iCIEF fractionation solution #1 (pI 6.61, 7.35, 7.55, 8.18) into a sample vial, and put in position 1 of the 84-vial tray;
- Prepare 5 collection vials, each with 25µL IEF solution (#2) added;
- Install a CEInfinite Preparative Cartridge CP00307P;
- Run CEInsight software;
- Perform Startup procedure in software
- Follow the procedure to fractionate pI 7.35 and 7.55 into the 5 collection vials. Centrifuge about 15 sec.
- Confirm the collections with analytical cartridge CP00201 on analytical system;

## Set Focus Time

Three-stage focusing process is recommended, which will minimize spurious peaks and baseline noise:

Focus Period	Voltage (V)	Time (mins)
1 (Prefocus)	1000	1.0
2 (Focus)	2000	1.0
3 (Focus)	3000	4.0

## Set Mobilization Parameter

Flowrate	Voltage (V)	Time (mins)
0.16 µL/min	3000	30

## Kit Storage

Store at 2 °C to 8 °C.

## Ordering Info

This kit can be ordered by:

- Phone: 1-519-653-6888
- Email: [orders@aeslifesciences.com](mailto:orders@aeslifesciences.com)
- Online store: <https://ceinfinite.com/registration/>

## Checking your Results

A typical electropherogram of the 4 pI fractionation test kit and fractionation procedure is shown in Figure 1. Collections can be reinjected in an analytical icIEF to confirm. Typical peak profile is shown in Figure 2.

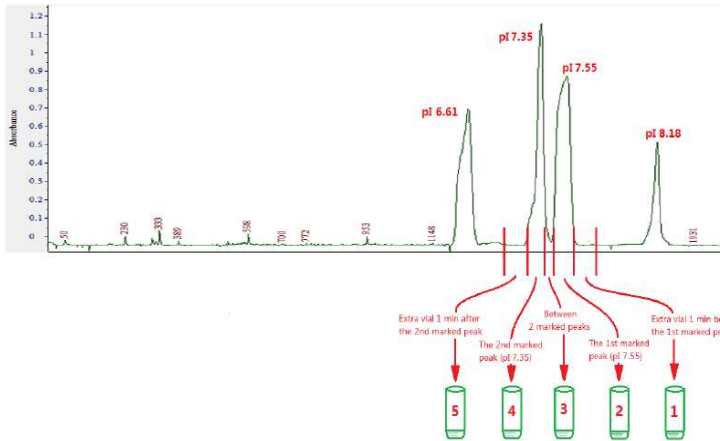


Figure 1. Typical Electropherogram of the 4 pI Test Kit.

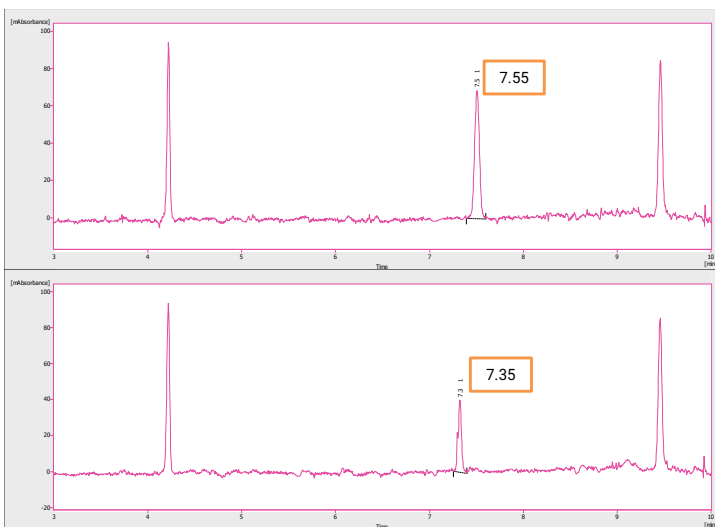


Figure 2. Typical Reinjection Profiles of Fractioned Peaks

## Expected Results

Fractionation Qualification:

-Better than 50% purity for pI markers  
( $7.35 \pm 0.2 / 7.55 \pm 0.2$ ) peak area achieved.

Table 1. Expected Results for Fractionations.

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