

Easy to Use Pre-prepared Calibration Kits

Agilent EasiCal Pre-prepared Calibration Kits

Technical Overview

Introduction

EasiCal PS-1 pre-prepared standards can be used to calibrate Agilent PLgel 10 μ m MIXED-B columns. All of the standards are resolved as the column exhibits a linear calibration over the full range of molecular weight covered.



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EasiCal polystyrene standards make column calibration easy and convenient. The EasiCal system consists of two different combs, both with ten detachable spatulas supporting a mixture of five polymer standards. The thin film of polymer (approx 5 mg) on the tip of the PTFE spatulas rapidly dissolves when immersed in eluent to provide two GPC/SEC calibration solutions. There are two polystyrene EasiCal versions: PS-1 (Mw range 580-7,500,000) and PS-2 (Mw range 580-400,000). They can be used with any GPC system or column.

Conditions

Columns: 3 x PLgel 10 μ m MIXED-B,
300 x 7.5 mm (p/n PL1110-6100)

Eluent: THF

Flow Rate: 1.0 mL/min

Detection: UV, 254 nm

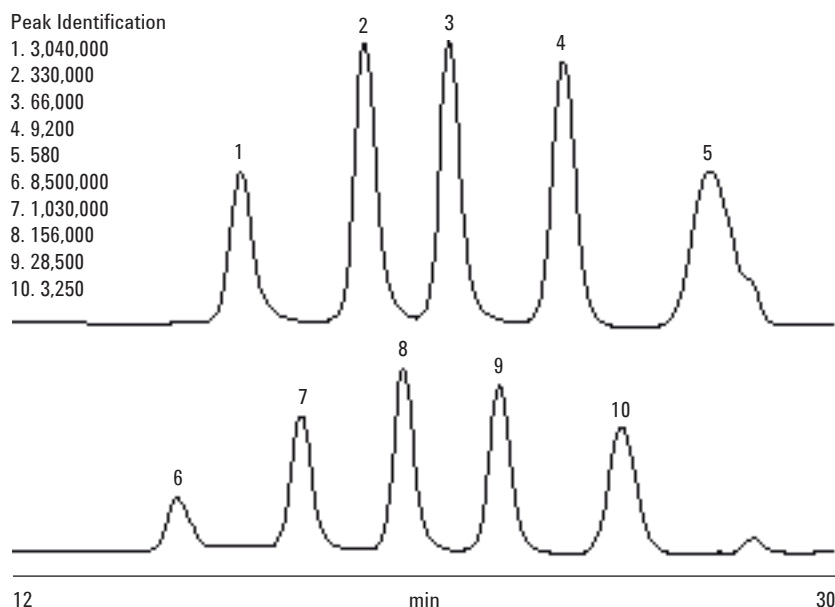


Figure 1. PLgel 10 μ m MIXED-B column calibration using EasiCal PS-1 pre-prepared calibrants

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Published in UK, September 24, 2010

SI-01759



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