



北京生夏蛋白
BEIJING LIFE PROTEOMIC

产品信息 | Certification of Analysis

产品信息 | Product Information

CAS: N/A
Lot No. 20240820C

ZIC HILIC 富集柱

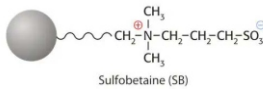
订货号	产品名称	包装/pkg
ZIC HILIC TIP	ZIC HILIC 富集柱	25ug

说明: ZIC HILIC 富集柱用于截留和分离所有类型的极性亲水化合物, 适用于高选择性、可再现、稳定的糖肽的富集分析。二氧化硅基ZIC®-HILIC吸附剂有键合的固定相, 该固定相由高极性永久两性离子组成。1:1 两性离子电荷平衡有利于分析选择性, 使得ZIC®-HILIC 柱总体呈电中性, 具有重要的弱离子相互作用。填料5um, 200的孔径使该柱特别适合于HILIC条件下较大极性分子的分离。

包装形式: 400u 侧微孔TIP枪头

填料量: 25 ug/ pkg

填料分子结构:



基质活性基团: ZIC HILIC键合相

填料供应商: Sigmaaldrich, 品牌: Supelco

储存条件: 80%乙腈120%超纯水; 室温保存

激活方法: 200u质谱级乙腈(含0.1%TFA)激活

再生清洗方法: 100ul超纯水冲洗; 750u0.5MNaCl冲洗; 750ul超纯水冲洗

使用方法:

1. 激活后的富集柱 加载100ul 80%乙腈/20%超纯水(含0.1% TFA)冲洗2次
2. 加载100-500ug 含80%乙腈样品, 用注射器空气推出, 再加载100ul 80%乙腈/20%超纯水(含0.1% TFA)冲洗2次
3. 加载100ul 100%质谱级水(含0.1%TFA)冲洗2次, 收集洗脱液
4. 收集液冻干后, 用3% 乙腈(含0.1% FA)复溶, 用于质谱分析

质量控制 | Quality Control

理论塔板数(N/m) (胞嘧啶): ≥ 60000

对称性(胞嘧啶): 0.95-1.40

CERTIFICATE OF ANALYSIS

SeQuant® ZIC®-HILIC 5um, 200Å

250 x 4.6mm PEEK coated HPLC column

Ord. No. 1.50458.0001 Sorbent Lot No. TA2322877 Date of test (yyyy.mm.dd): 2023.09.25
Column No. 331746 Minimum shelf life (yyyy.mm.dd): 2028.09.30

1. PACKING MATERIAL

This sorbent lot has successfully passed all production quality tests regarding retention factor (k'), selectivity (separation factor, α), separation efficiency (number of theoretical plates per meter, N/m), chemical stability and packing stability. Test results are available upon request.

2. COLUMN TEST

This column has passed quality control tests with respect to retention factor (k'), separation efficiency (N/m), peak symmetry ($T(USP)$) and column back pressure (Δp).

QA经理签字:

Specification for Cytosine

N/m ≥ 60000
 $T(USP)$ = 0.95 - 1.40

Test result for Cytosine

k' = 1.22
 N/m = 89092
 $T(USP)$ = 1.01
 Δp = 15 bar

Retention factor (k'), separation efficiency (N/m), peak symmetry ($T(USP)$) and selectivity α were calculated according to USP Chapter 621. For further information please visit sigmaaldrich.com.

Test Substances

1. Toluene
2. Uracil
3. Cytosine

Test Conditions

Mobile Phase: Acetonitrile/NH4Ac 25mM (80/20, v/v)
Flow Rate: 0.5 ml/min
Inj. Volume: 20 μ l
Detection: UV 254 nm
Detector Cell Volume: 2.5 μ l

