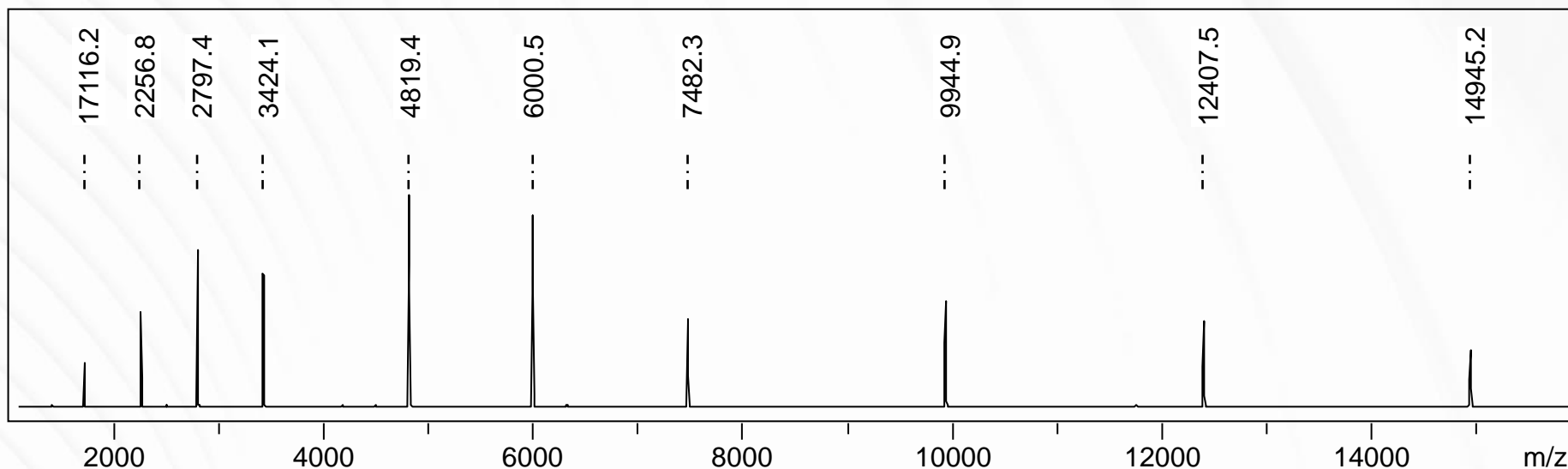


SpheriCal® 10-point is a dendrimer-based MALDI-TOF MS calibration standard providing **ten** monodisperse mass signals for efficient, highly accurate calibration, covering the mass range between 1500 and 15000 Da.



Number of calibration points:

10

Mass range:

1500 – 15000 Da

Component:

| Identifier | Chemical formula | Monoisotopic mass +Na ⁺ [Da] | Average mass +Na ⁺ [Da] |
|------------|--|---|------------------------------------|
| PFS-50A | C ₉₂ H ₁₀₈ O ₃₀ | 1715.0827 | 1716.24 |
| PFS-50B | C ₁₂₁ H ₁₄₀ O ₄₀ | 2255.2817 | 2256.80 |
| PFS-50C | C ₁₅₀ H ₁₇₂ O ₅₀ | 2795.4817 | 2797.37 |
| PFS-50D | C ₁₈₄ H ₂₁₄ O ₆₁ | 3421.7537 | 3424.07 |
| PFS-50E | C ₂₅₇ H ₃₀₀ O ₈₈ | 4816.2897 | 4819.53 |
| PFS-50F | C ₃₂₀ H ₃₇₂ O ₁₁₀ | 5996.7417 | 6000.78 |
| PFS-50G | C ₃₉₈ H ₄₆₈ O ₁₃₈ | 7477.3497 | 7482.28 |
| PFS-50H | C ₅₂₉ H ₆₂₀ O ₁₈₄ | 9938.3057 | 9944.88 |
| PFS-50I | C ₆₆₀ H ₇₇₂ O ₂₃₀ | 12399.2597 | 12407.49 |
| PFS-50J | C ₇₉₆ H ₉₃₄ O ₂₇₇ | 14946.2897 | 14956.19 |

Compatible solvents:

THF, ACN, CHCl₃, DCM, DMSO, etc

Compatible matrices:

DHB, HCCA, Sinapic acid, DCTB, 9NA, HABA, Ditrinol, NALDI, graphite, etc