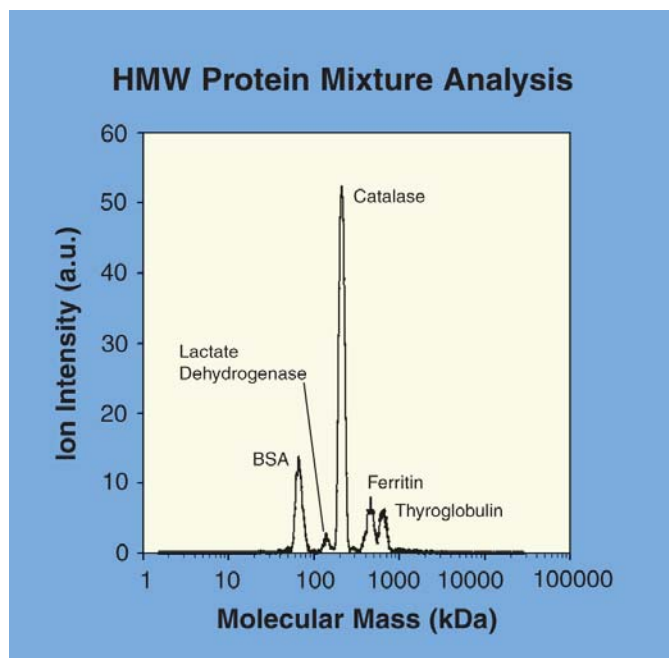


## High Molecular Weight (HMW) Protein Mixture— *macroIMS*<sup>™</sup> mass spectrum

Protein separation and detection in the kilodalton mass range is demonstrated on a mixture of 5 macromolecular proteins. The spectrum shows good signal-to-noise with adequate resolution to distinguish Ferritin and Thyroglobulin.



**Sample:** HMW Calibration Kit for native electrophoresis (Amersham Biosciences, Product Code 17-0445-01). Mixture of 5 Proteins (100 – 600 fmol/ $\mu$ L).

Bovine Serum Albumin (BSA) – 66 kDa

Lactate Dehydrogenase (bovine heart) – 140 kDa

Catalase (bovine liver) – 232 kDa

Ferritin (equine spleen) – 440 kDa

Thyroglobulin (porcine thyroid) – 669 kDa

**Preparation:** Sucrose was removed prior to analysis

**Buffer:** 20 mM  $\text{NH}_4\text{OAc}$

**Points:** Individual data points from a 45 second scan

**Line:** Moving average through the raw data points

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