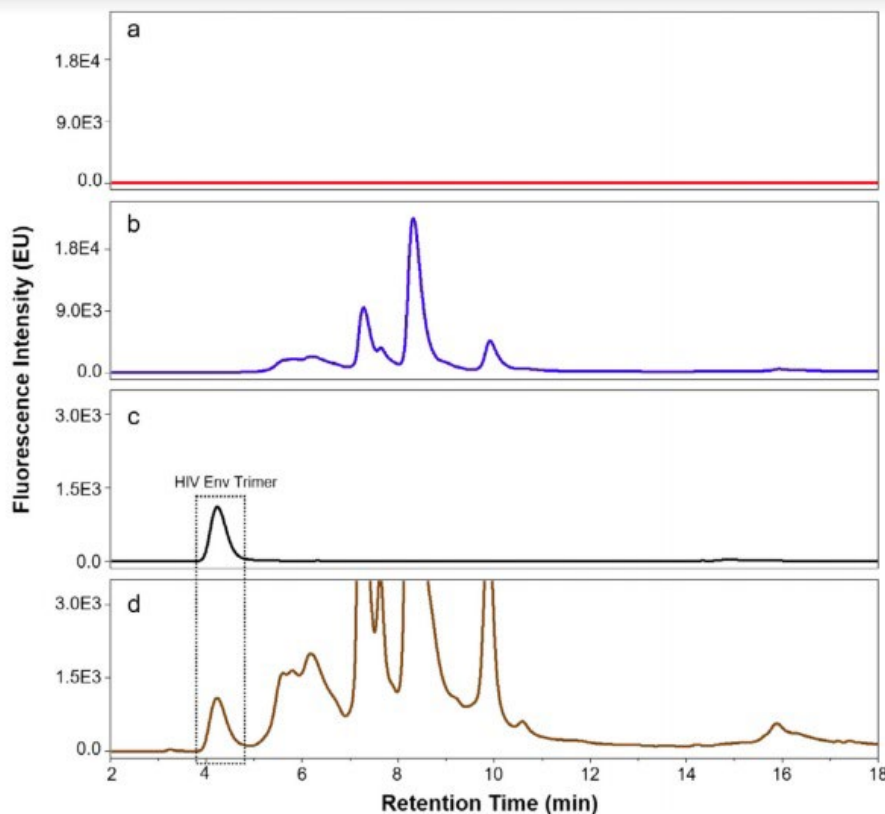


## Titer measurement of HIV-1 envelope trimeric glycoprotein in cell culture media by a new tandem ion exchange and size exclusion chromatography (IEC-SEC) method.

Trimer separation from the rest of the cell/HCP was achieved via WAX-SEC tandem chromatography

Column	SRT SEC-300, 5um, 300 A 7.8 x 150mm Part Number: <a href="#">215300-7815</a>
Mobile Phase	MPA: 250 mM sodium phosphate (pH 6.0) MPB: 1 M sodium chloride (NaCl)
Injection	50uL
Instrument	UHPLC
Detection	FLD - 277 nm and 344 nm
Length of Sample	~2500-3000 nucleotides
Molecular Weight of Sample	350kDa
Sample Prep	Filtered 0.2um cellulose acetate



**Fig. 2.** Representative IEC-SEC chromatograms of (a) 2× PBS; (b) CHO-DG44 mock media (negative control); (c) HIV Env trimer spiked into 2× PBS (positive control, final: 100 µg/mL); (d) HIV Env trimer spiked into CHO-DG44 mock cell culture media (final: 100 µg/mL).



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