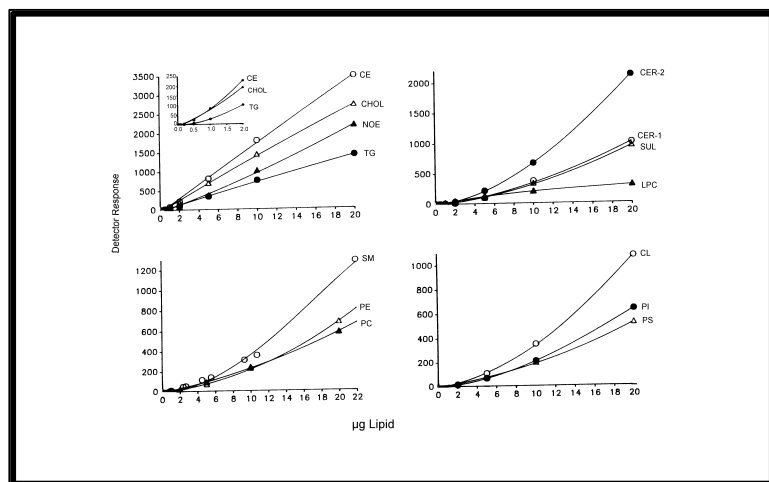


QUANTIFICATION OF LIPIDS FROM DIFFERENT RAT TISSUES



Calibration curves for some neutral lipids, glycolipids and phospholipids, adapted from Lutzke B.S and al., *J.Lipid Res.* 1990, 31, 2127.

Calibration curves are given for neutral simple lipids and polar complex lipids, the n-oleylethanolamine was used as an internal standard.

The authors claimed, they could easily detect 1 µg or less of any of the neutral or polar lipids used as standards. Standard curves were linearized using a log-weighted cubic fit routine and for the majority of the lipids were reliable down to 200 ng. Neutral lipids exhibited the greatest response and appear to be linear down to 2 ng with a limit of sensibility of 50 ng. Detector response to phospholipids was less than for neutral lipids but was similar amplitude for the most important ones (PE, PC, PI and PS), allowing their detection in sub-microgram quantities.

Chromatographic conditions :

Column : Spherisorb Si, 100x4.6 mm, 3 µm.

Mobile Phase : Complex gradient containing isoctane, THF, isopropanol, chloroform and water.

Flow Rate : 2.0 ml/min.

Evaporation Temperature : 60°C.

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