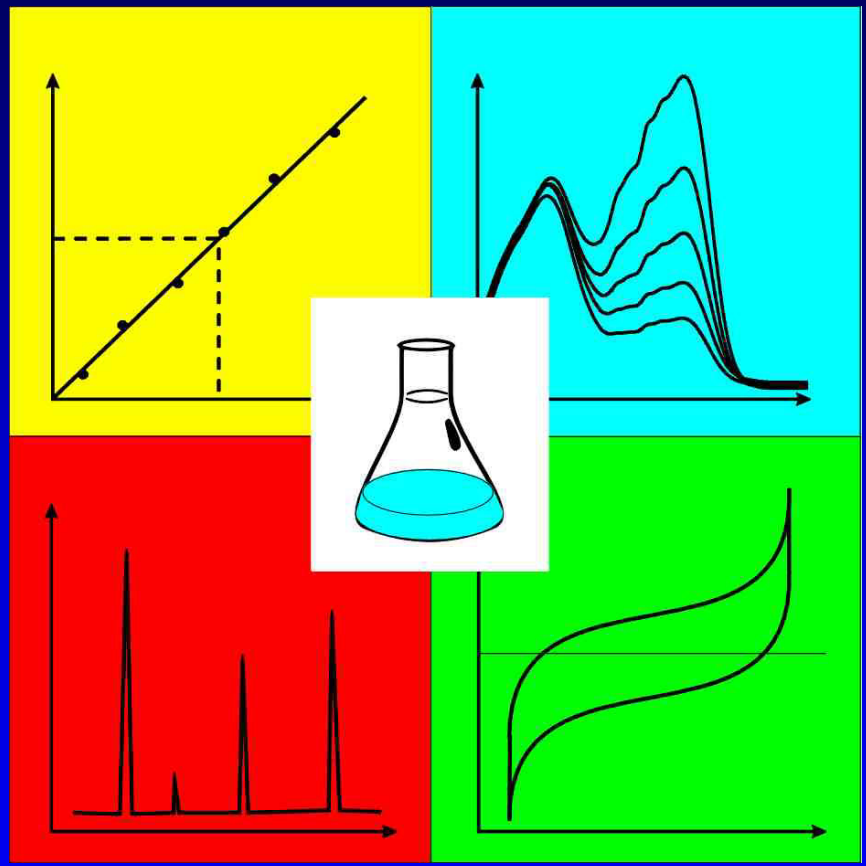
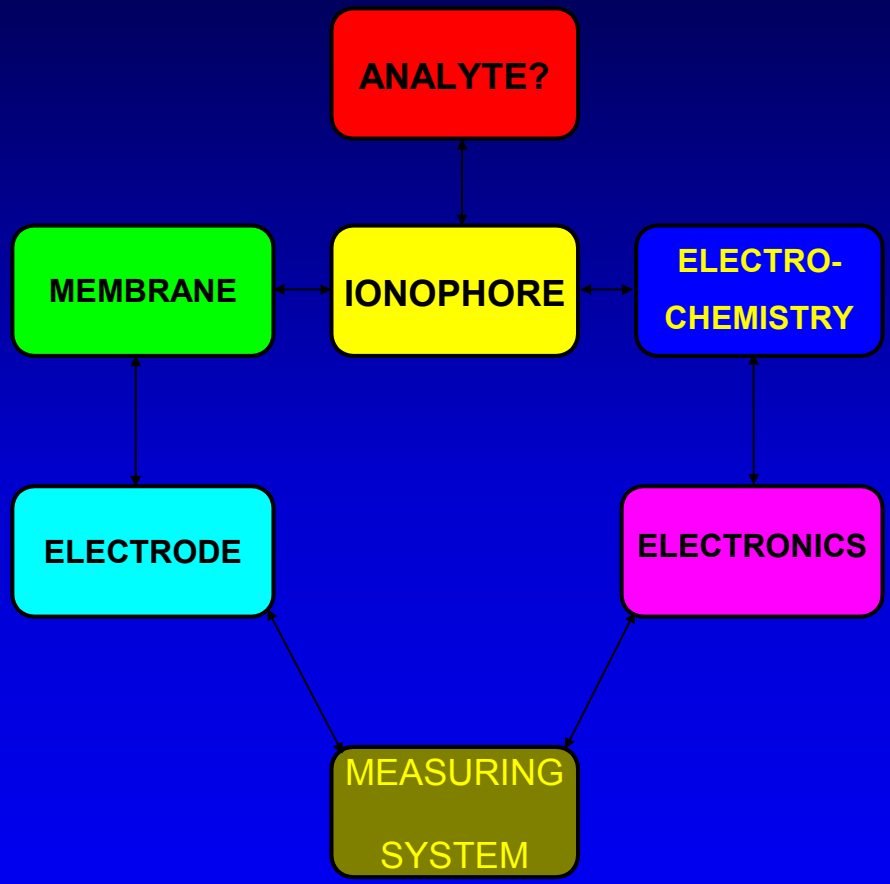
FROM ANALYTE TO SIGNAL

FROM ANALYTE TO SIGNAL



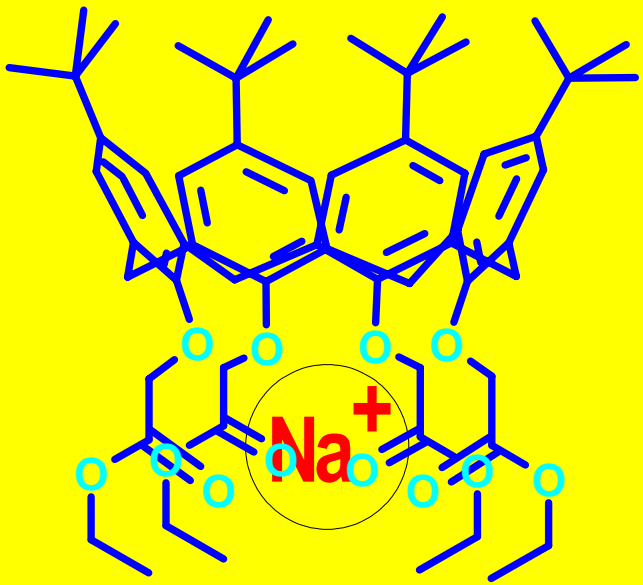
- ISE
- ISFET
- OPTO

FROM ANALYTE TO SIGNAL - ISE



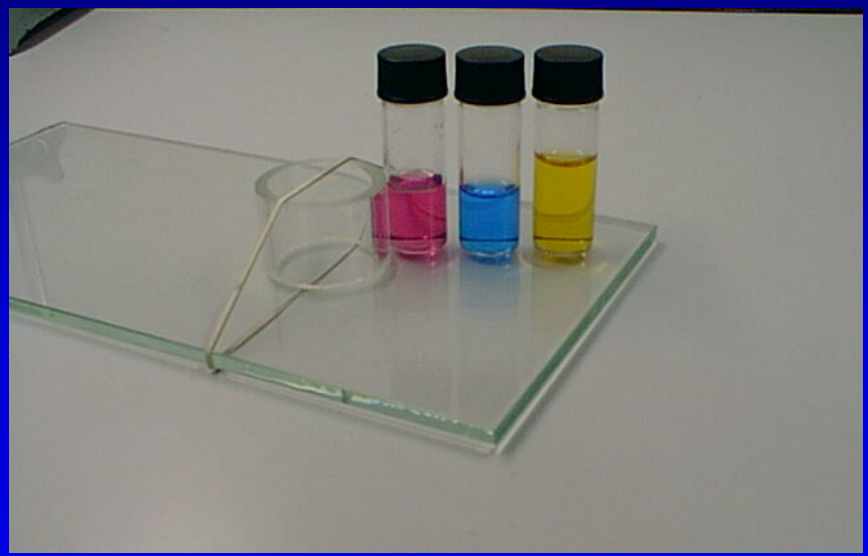
FROM ANALYTE TO SIGNAL - ISE

Ionophore



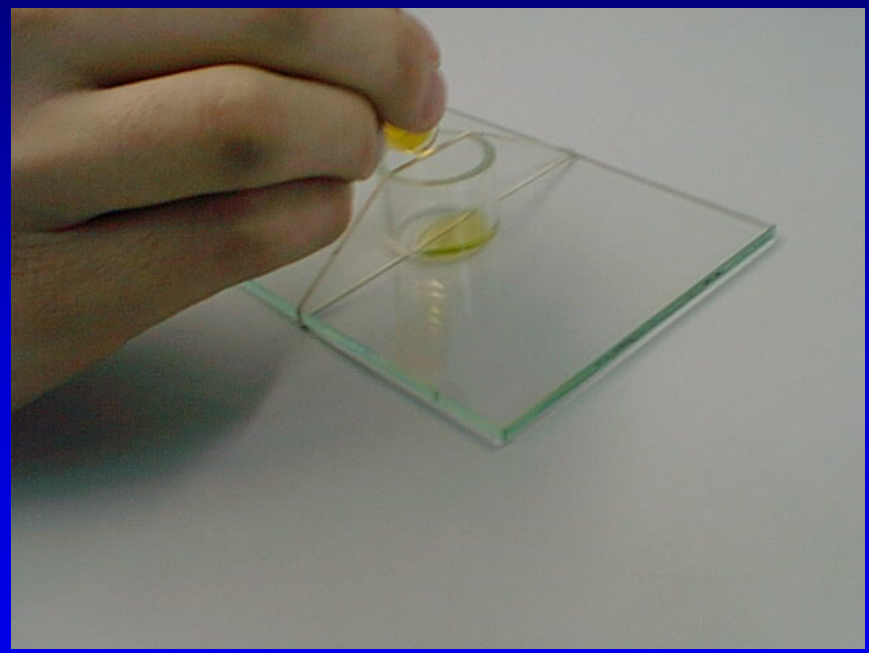
FROM ANALYTE TO SIGNAL - ISE

Dissolved components of the membrane



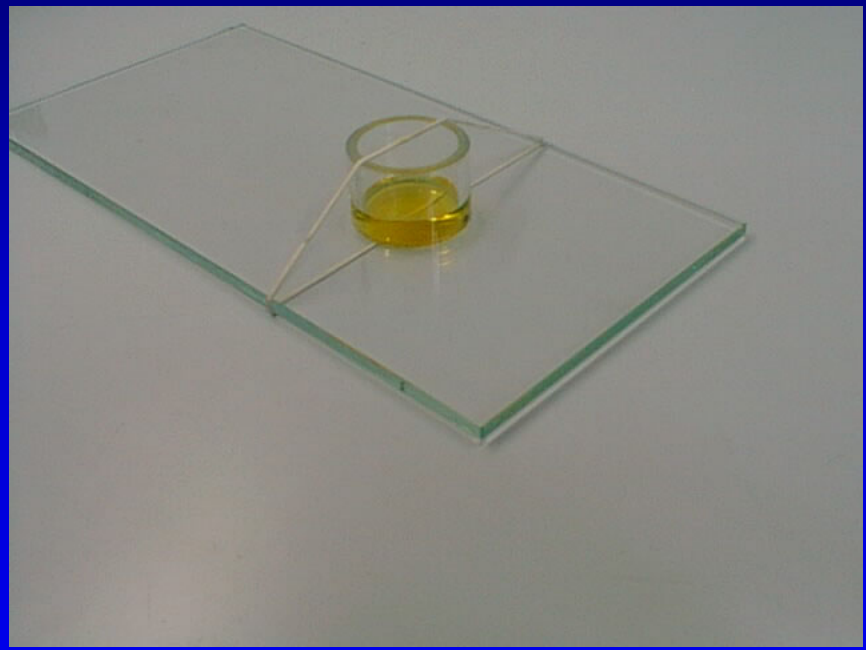
FROM ANALYTE TO SIGNAL - ISE

Membrane preparation



FROM ANALYTE TO SIGNAL - ISE

Membrane left for solvent evaporation

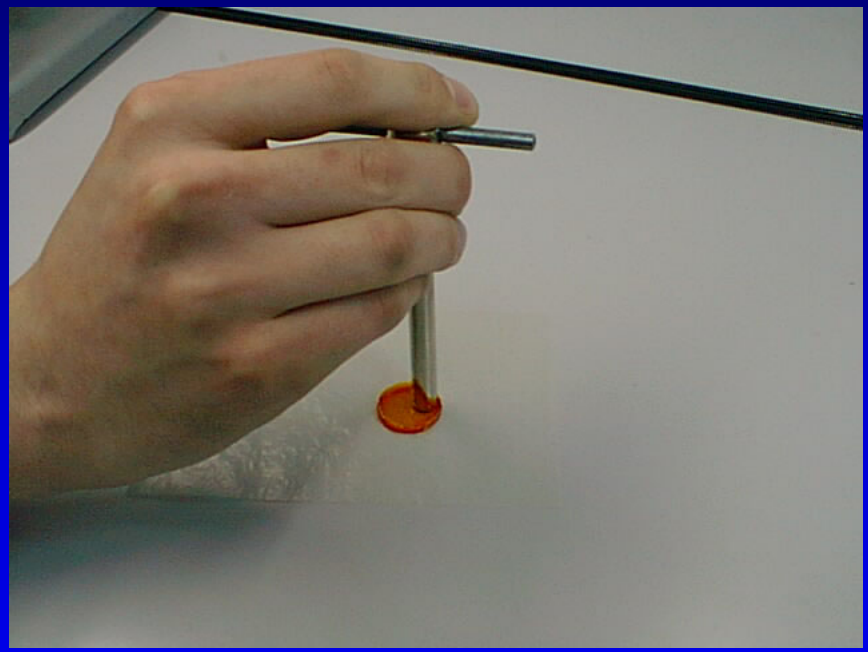


FROM ANALYTE TO SIGNAL - ISE

Membrane after evaporation

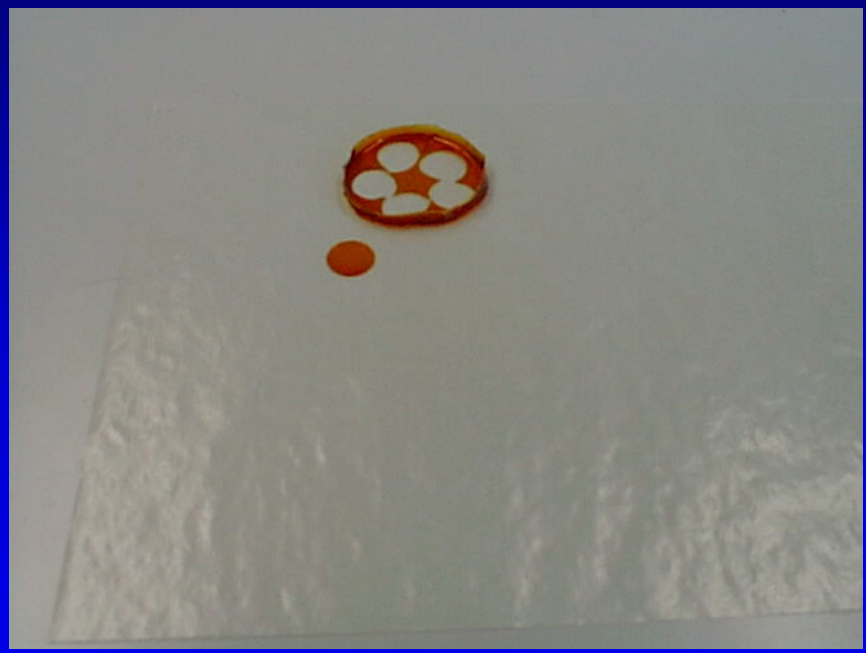
FROM ANALYTE TO SIGNAL - ISE

Cutting out of the membrane



FROM ANALYTE TO SIGNAL - ISE

Disc of the membrane prepared for an electrode



FROM ANALYTE TO SIGNAL - ISE

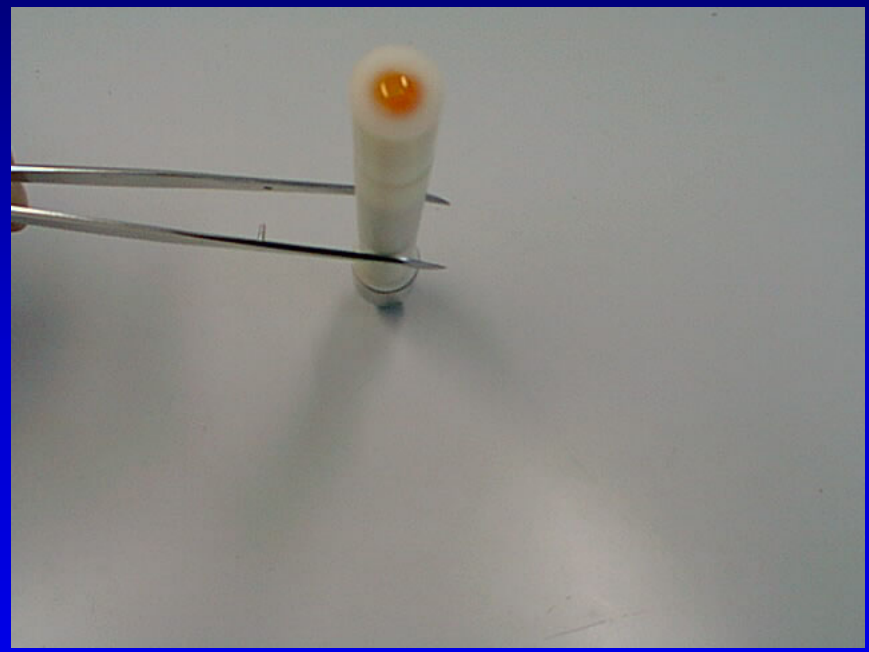
Parts of electrode body

FROM ANALYTE TO SIGNAL - ISE

Parts of electrode body with the membrane

FROM ANALYTE TO SIGNAL - ISE

Electrode ready to use

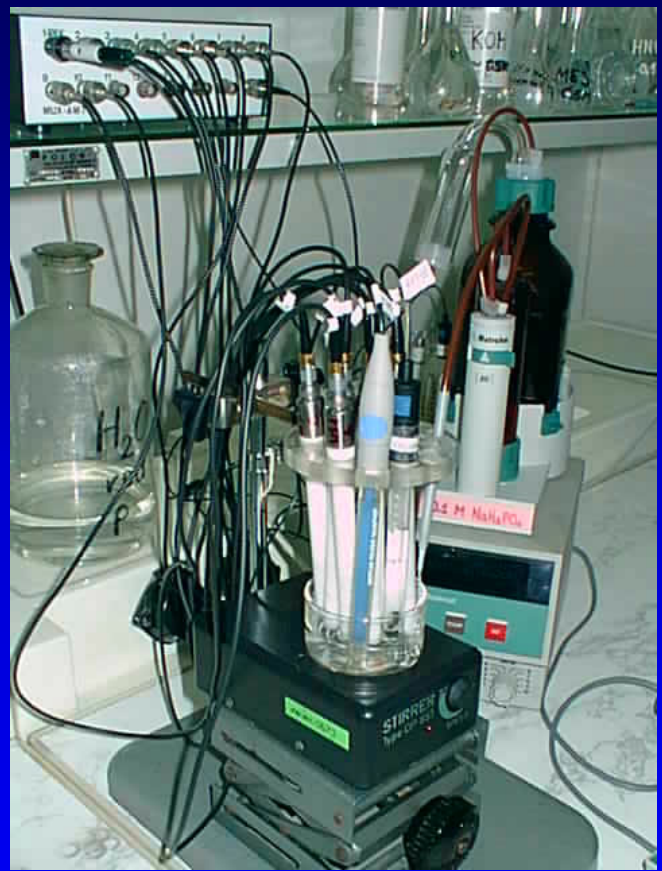


FROM ANALYTE TO SIGNAL - ISE

Analogue multiplexer

FROM ANALYTE TO SIGNAL - ISE

Set of electrodes

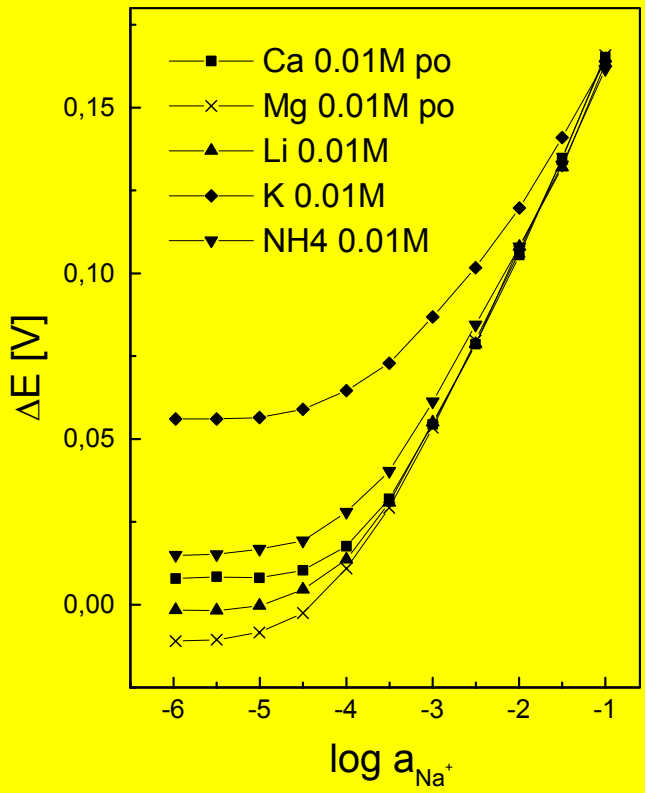


FROM ANALYTE TO SIGNAL - ISE

Set-up for electrode measurements

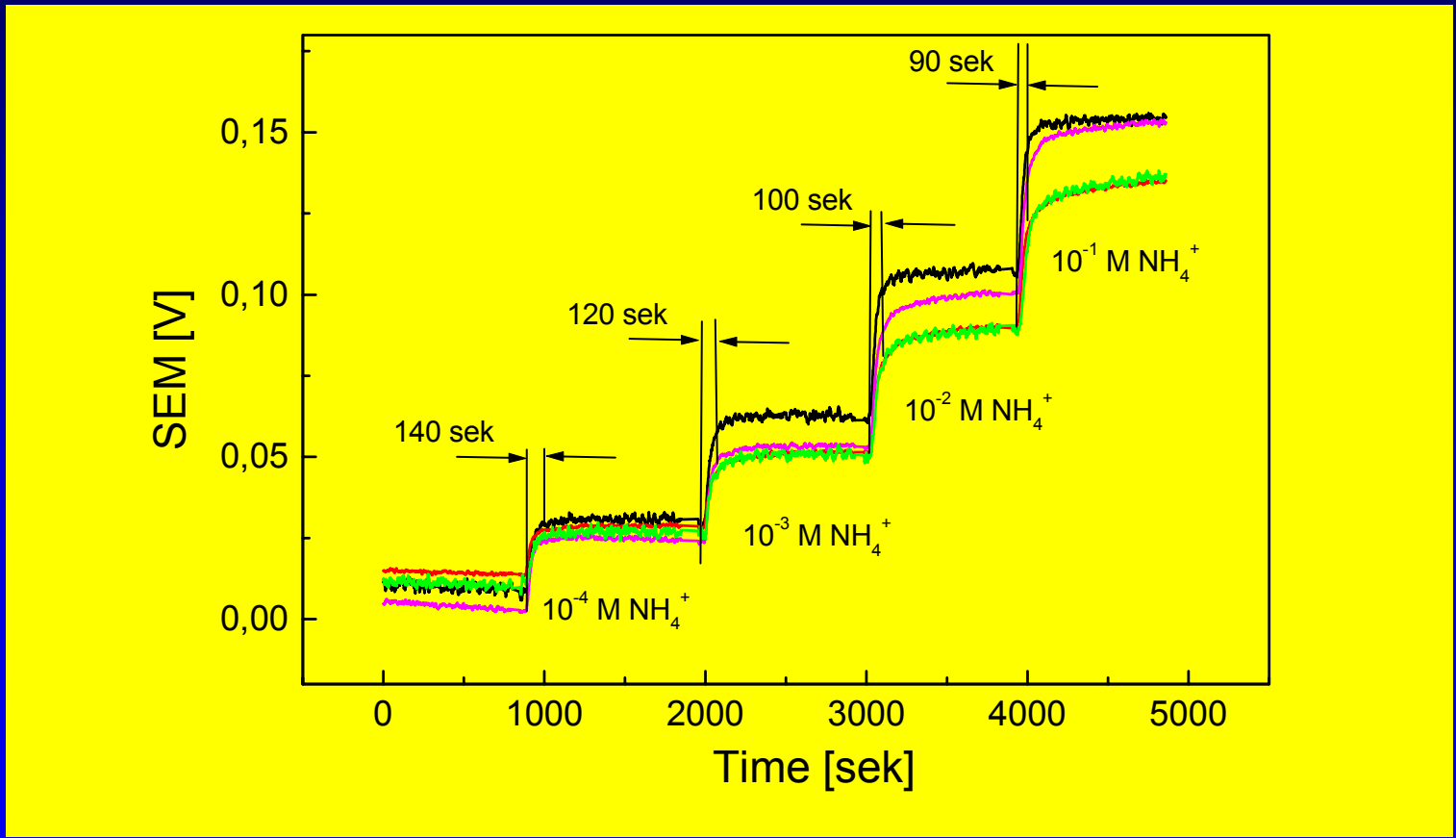
FROM ANALYTE TO SIGNAL - ISE

Calibration curves

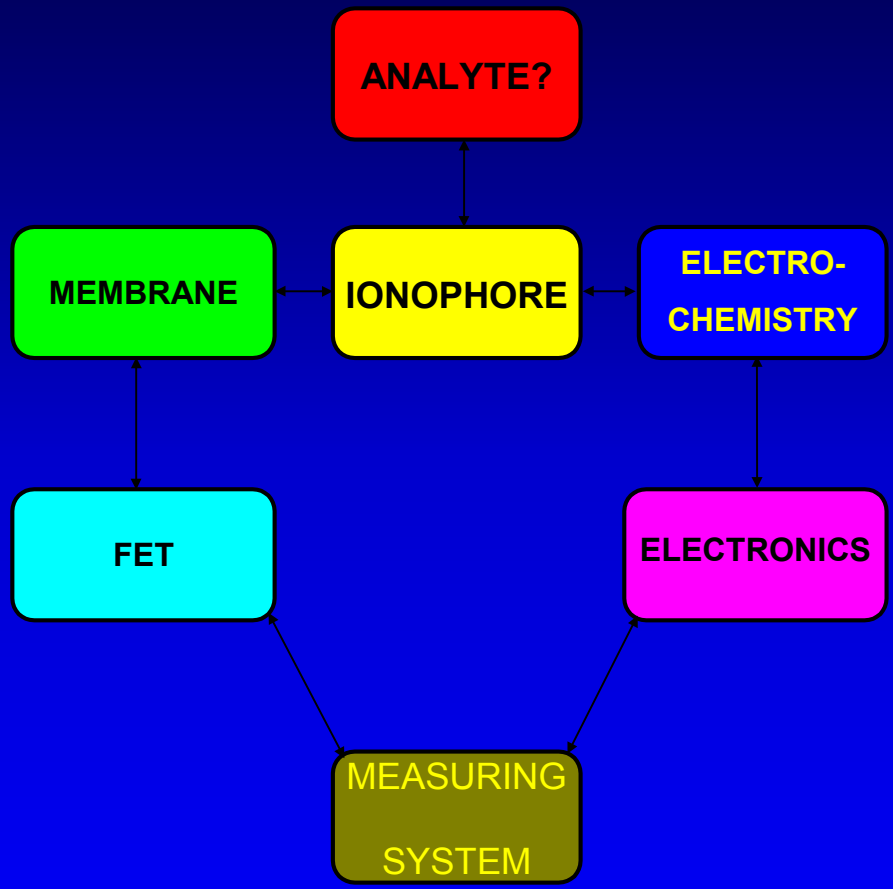


FROM ANALYTE TO SIGNAL - ISE

Response time

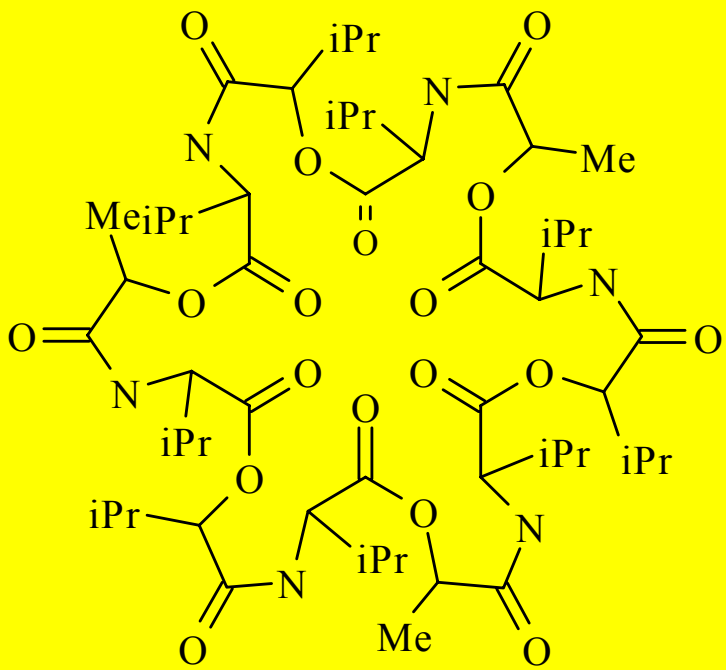


FROM ANALYTE TO SIGNAL - ISFET



FROM ANALYTE TO SIGNAL - ISFET

Ionophore

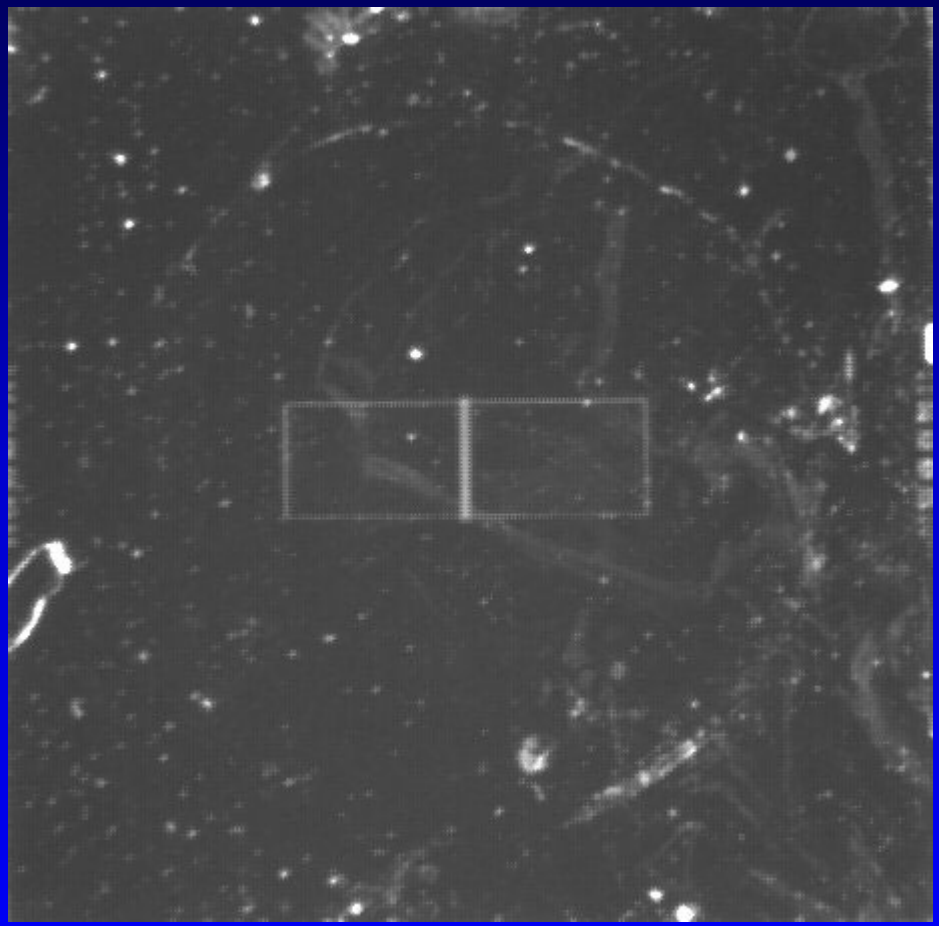


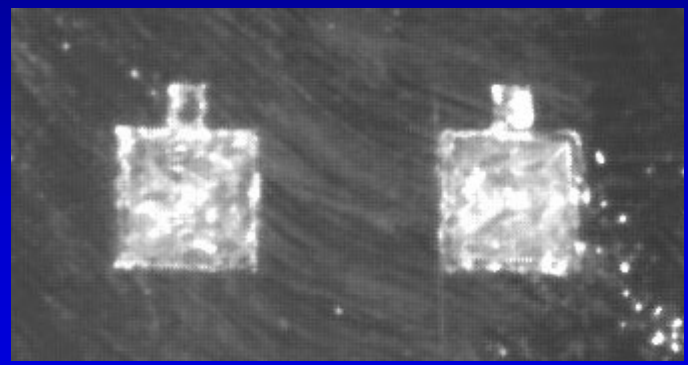
FROM ANALYTE TO SIGNAL - ISFET

Back-side contact and dip stick FETs

FROM ANALYTE TO SIGNAL - ISFET

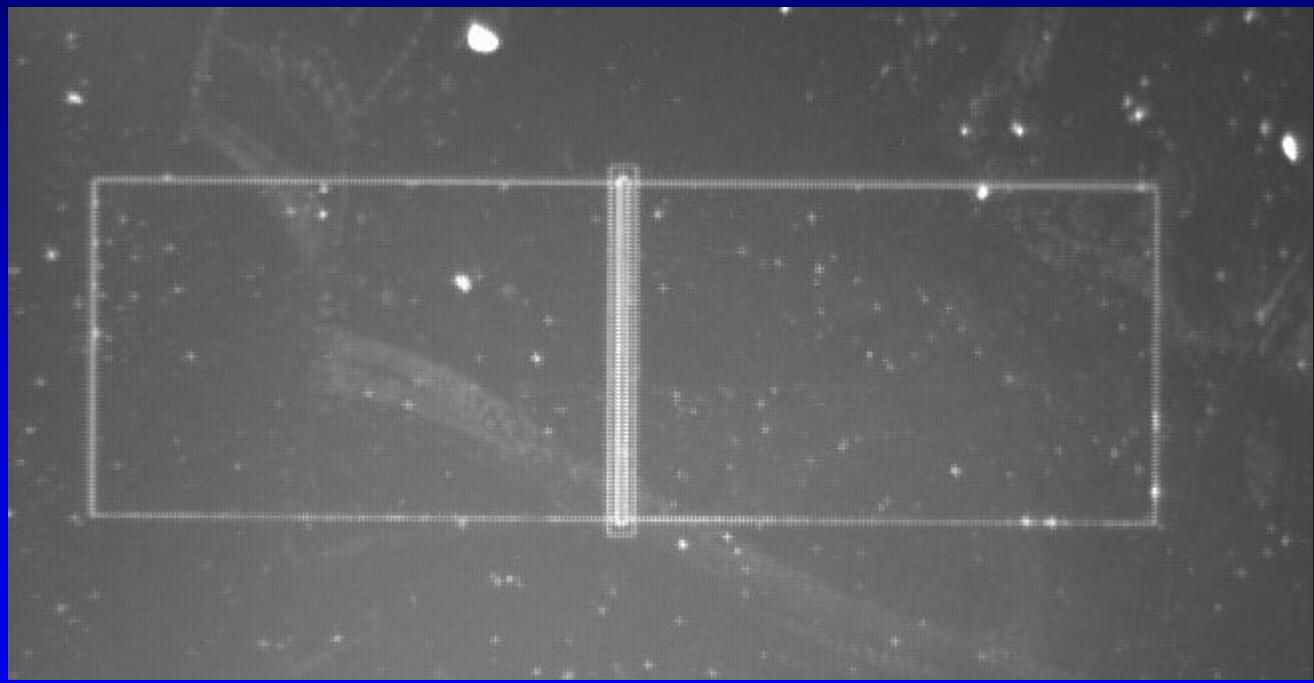
Back-side contact FET





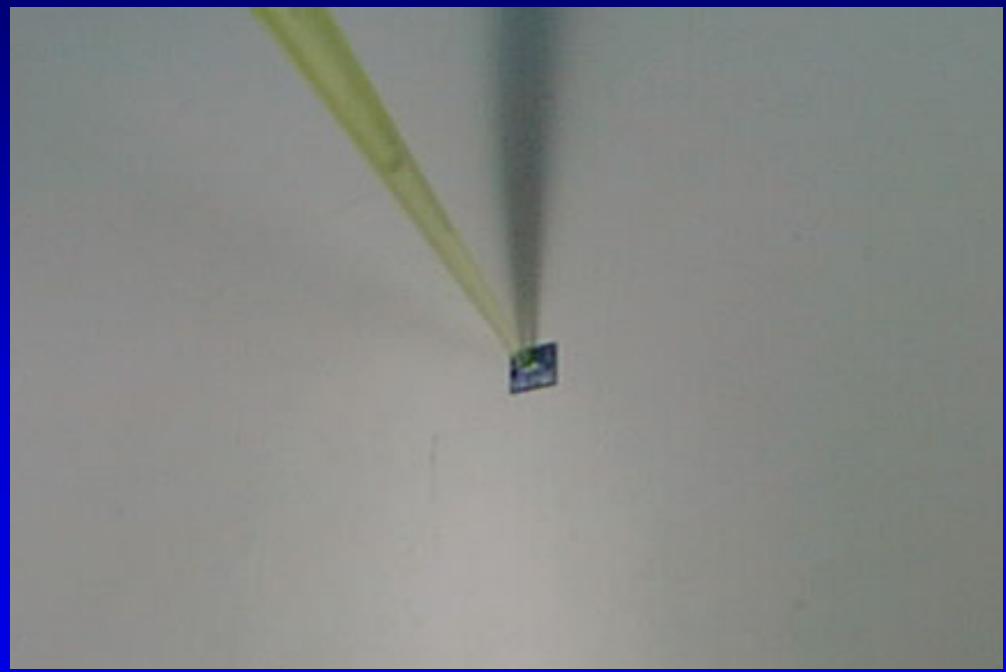
FROM ANALYTE TO SIGNAL - ISFET

Back-side contact FET



FROM ANALYTE TO SIGNAL - ISFET

Membrane deposition on back-side contact FET

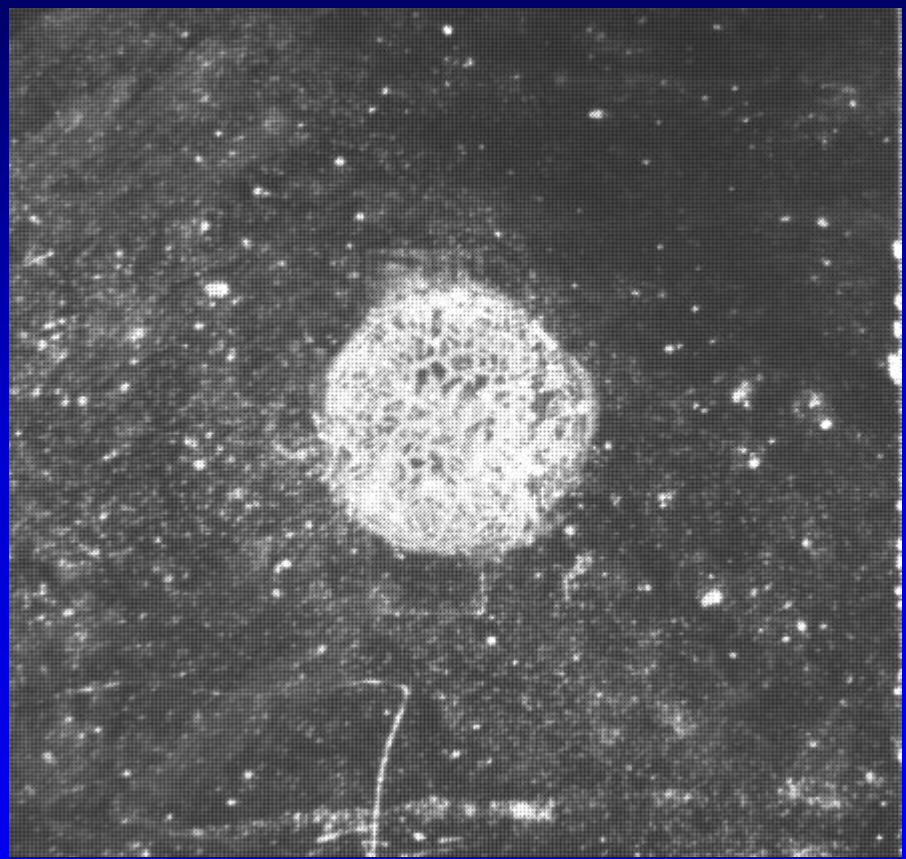


FROM ANALYTE TO SIGNAL - ISFET

Membrane deposition on back-side contact FET

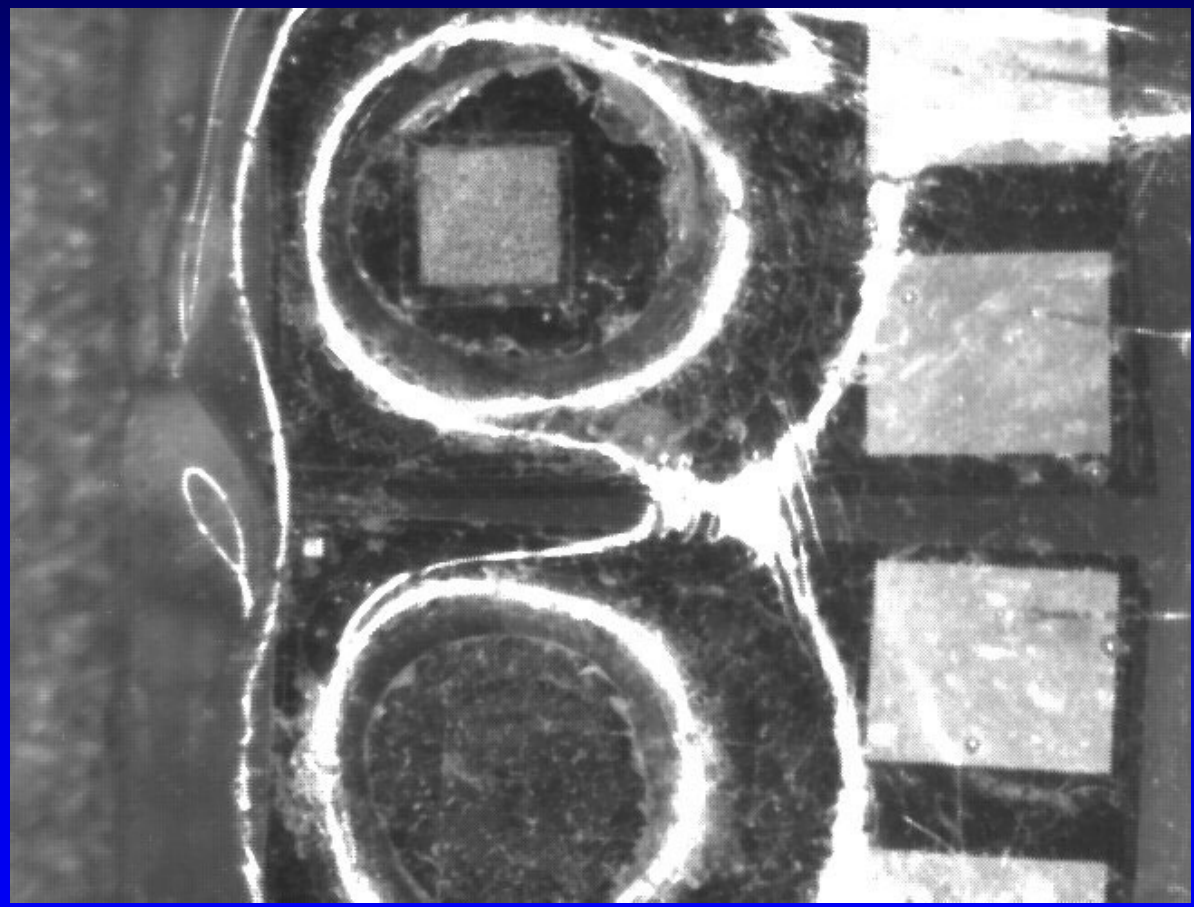
FROM ANALYTE TO SIGNAL - ISFET

Back-side contact FET with the membrane



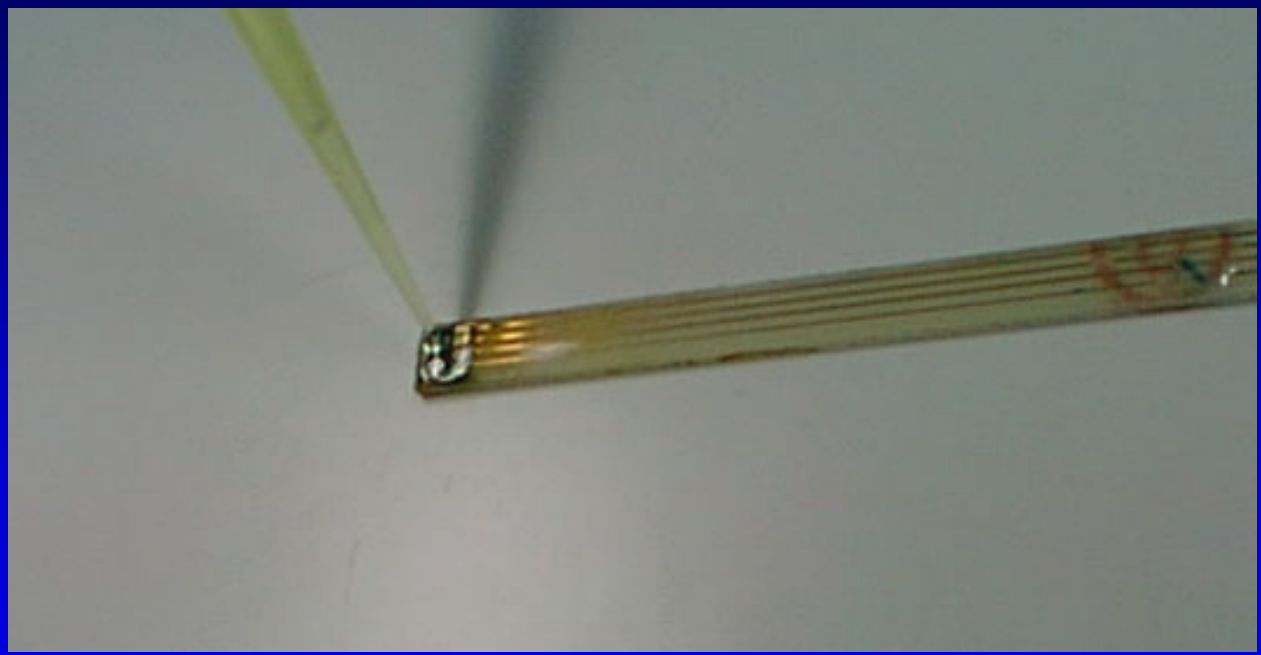
FROM ANALYTE TO SIGNAL - ISFET

Dip stick FET



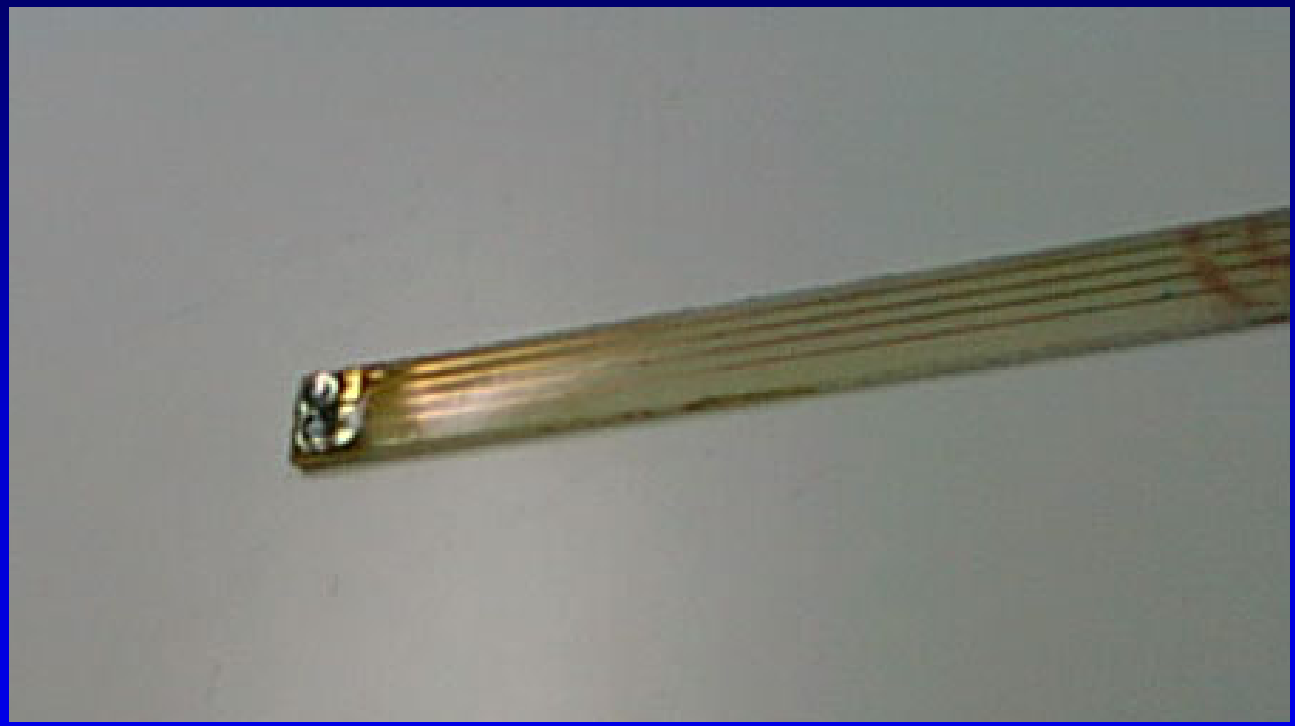
FROM ANALYTE TO SIGNAL - ISFET

Membrane deposition on dip stick FET



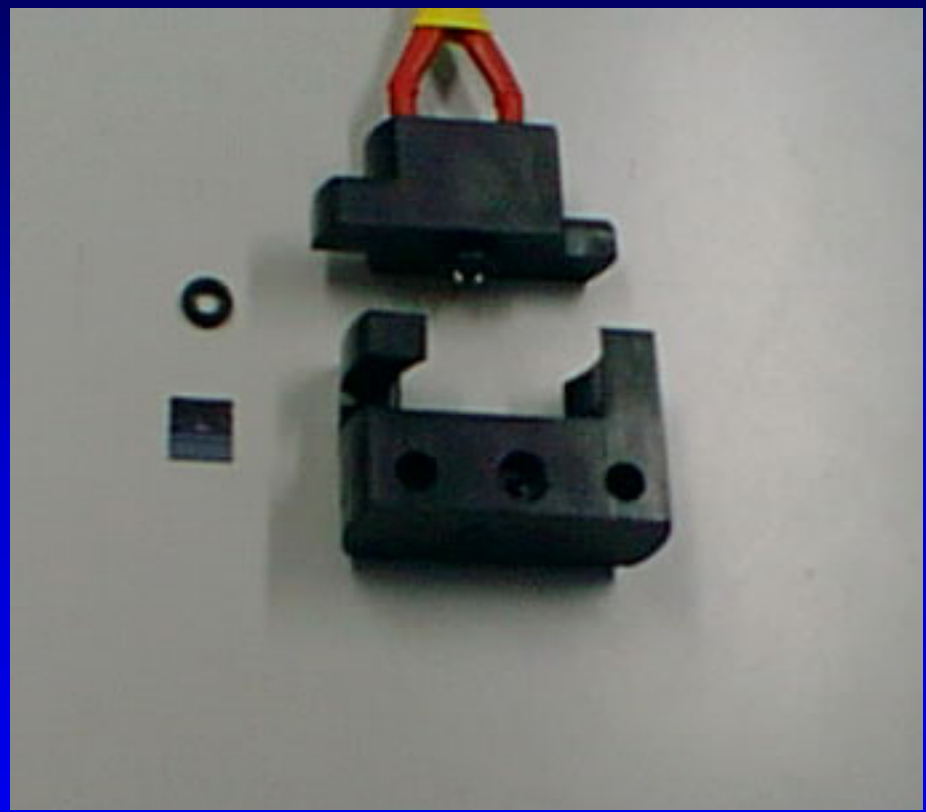
FROM ANALYTE TO SIGNAL - ISFET

Membrane deposition on dip stick FET



FROM ANALYTE TO SIGNAL - ISFET

Flow through cell for back-side contact ISFET



FROM ANALYTE TO SIGNAL - ISFET

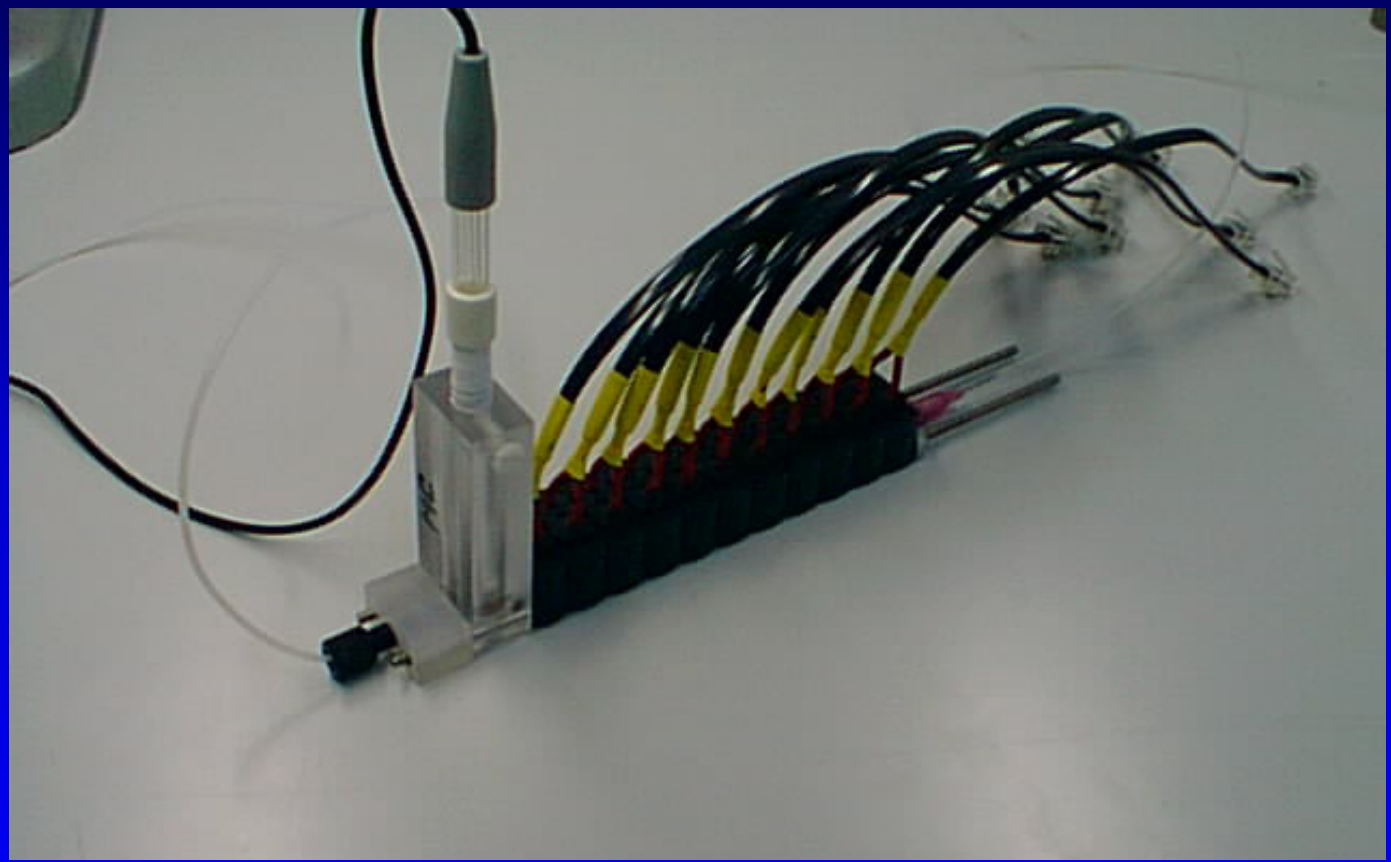
Flow through cell for back-side contact ISFET

FROM ANALYTE TO SIGNAL - ISFET

Flow through cell for back-side contact ISFET

FROM ANALYTE TO SIGNAL - ISFET

Flow through cells prepared for measurements



FROM ANALYTE TO SIGNAL - ISFET

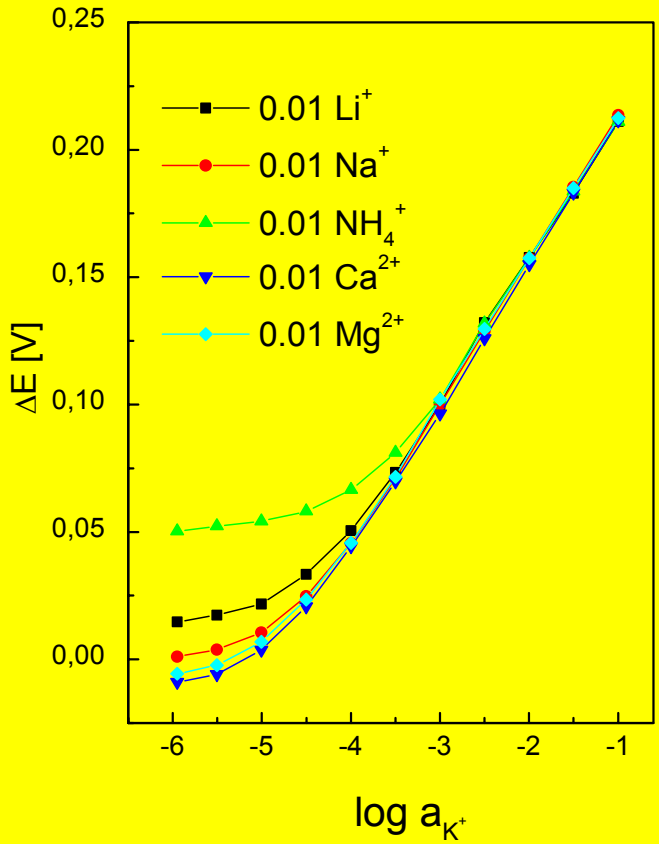
10-channel FET amplifier

FROM ANALYTE TO SIGNAL - ISFET

pH-meter based on ISFET

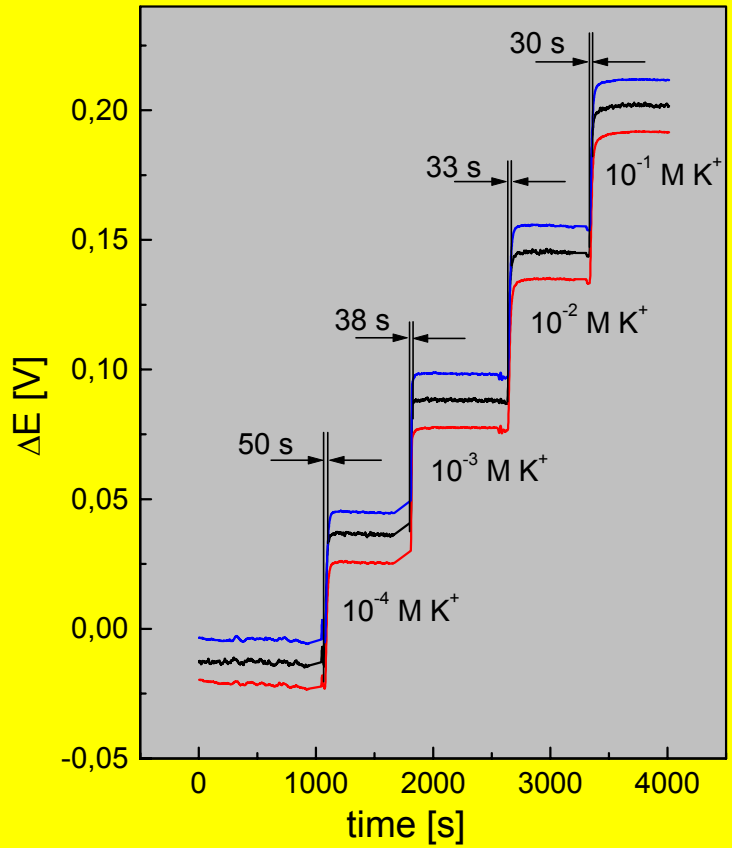
FROM ANALYTE TO SIGNAL - ISFET

Calibration curves

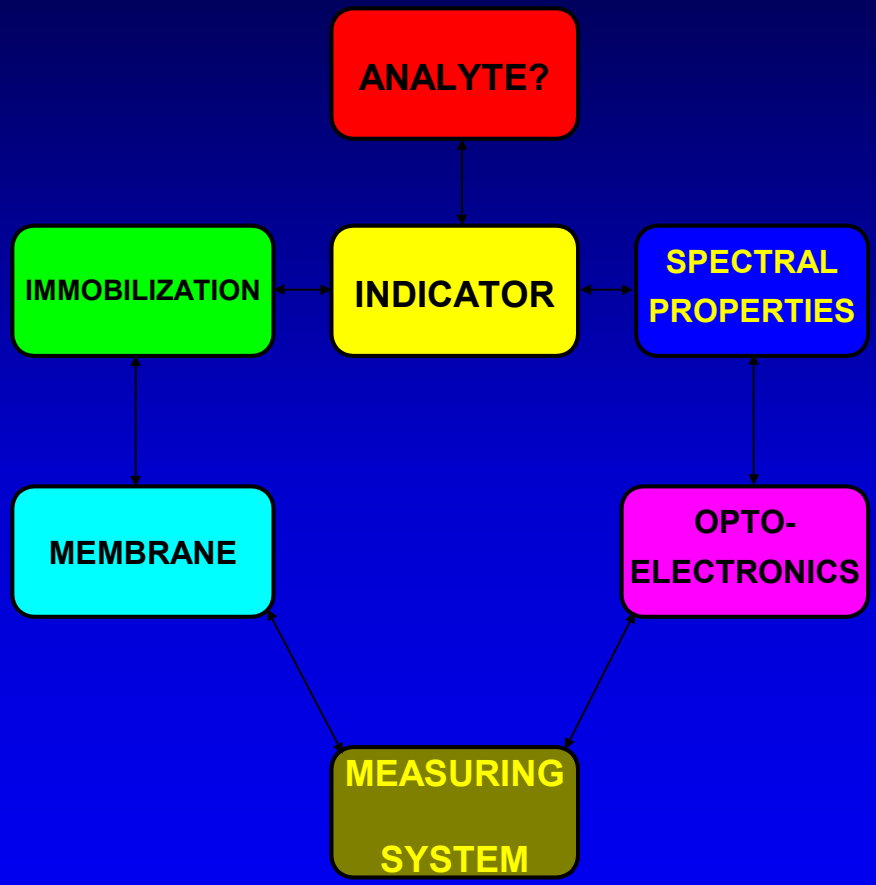


FROM ANALYTE TO SIGNAL - ISFET

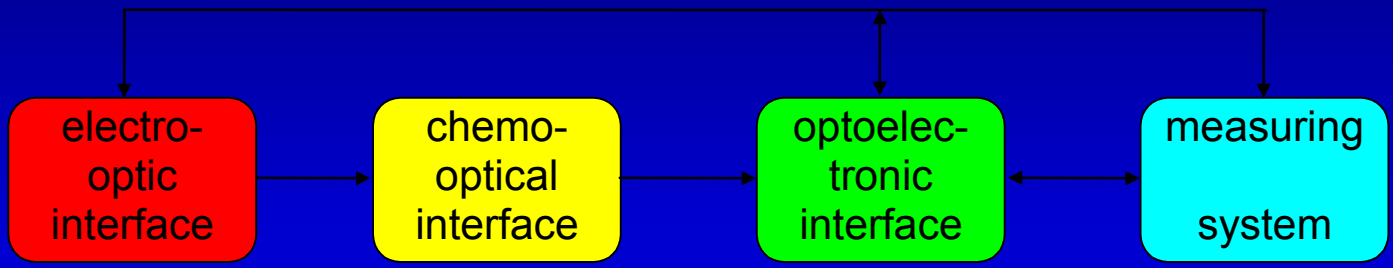
Response time



FROM ANALYTE TO SIGNAL - OPTO

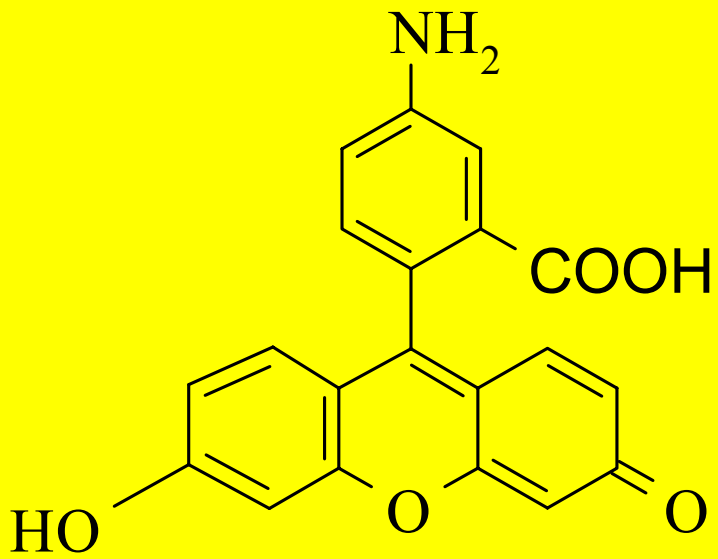


FROM ANALYTE TO SIGNAL - OPTO



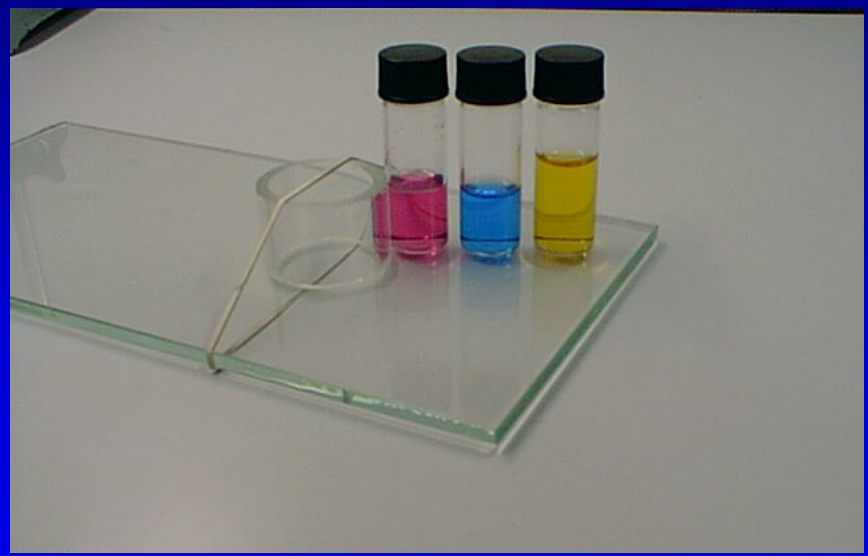
FROM ANALYTE TO SIGNAL - OPTO

Chromoionophore



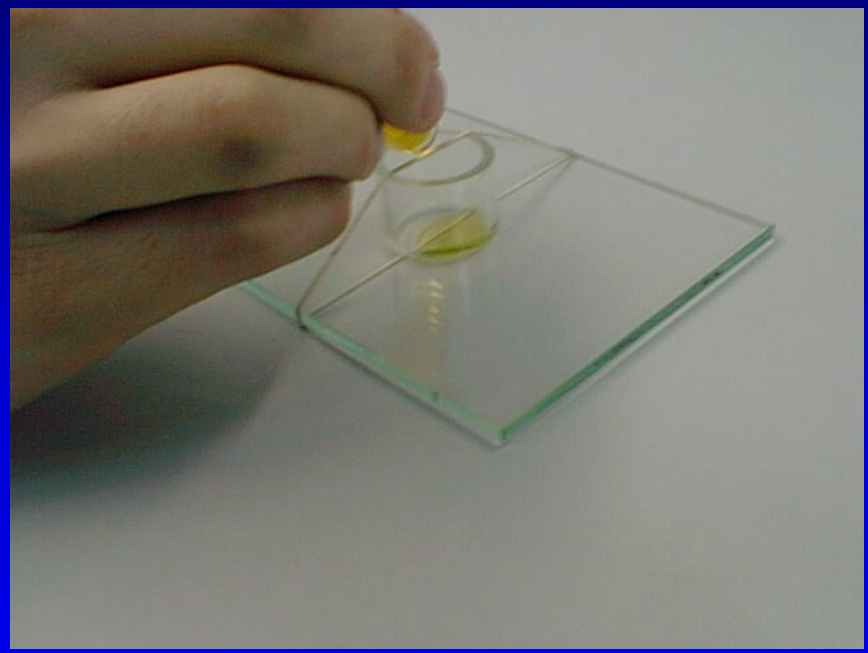
FROM ANALYTE TO SIGNAL - OPTO

Dissolved components of the membrane



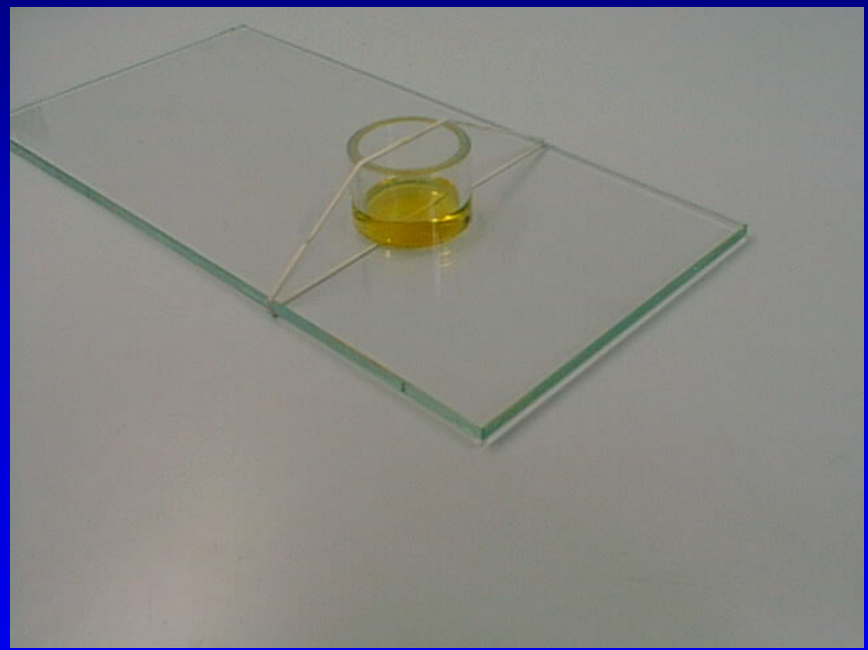
FROM ANALYTE TO SIGNAL - OPTO

Membrane preparation



FROM ANALYTE TO SIGNAL - OPTO

Membrane left for solvent evaporation



FROM ANALYTE TO SIGNAL - OPTO

Membrane after evaporation

FROM ANALYTE TO SIGNAL - OPTO

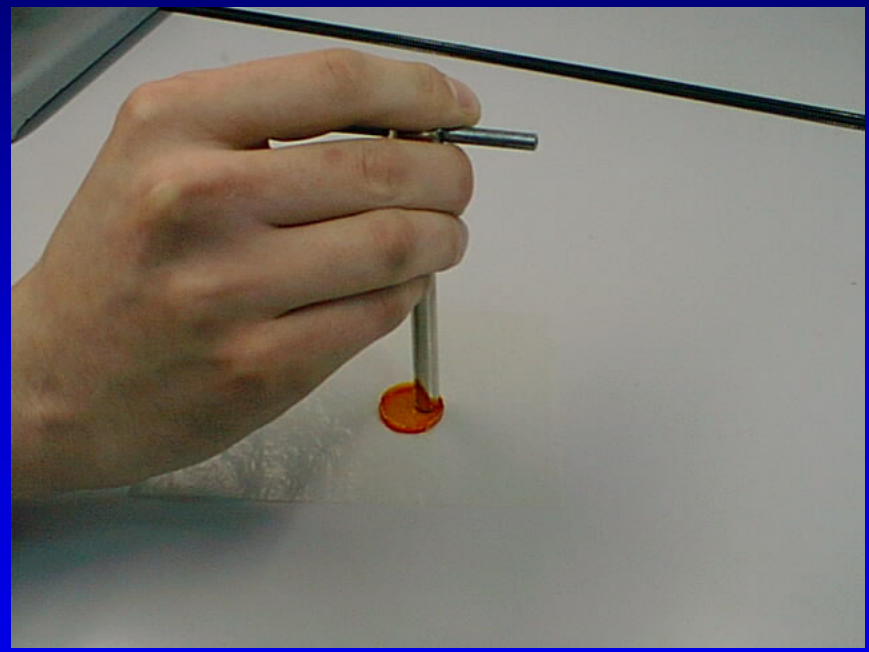
Various types of the membranes

FROM ANALYTE TO SIGNAL - OPTO

Various types of the membranes

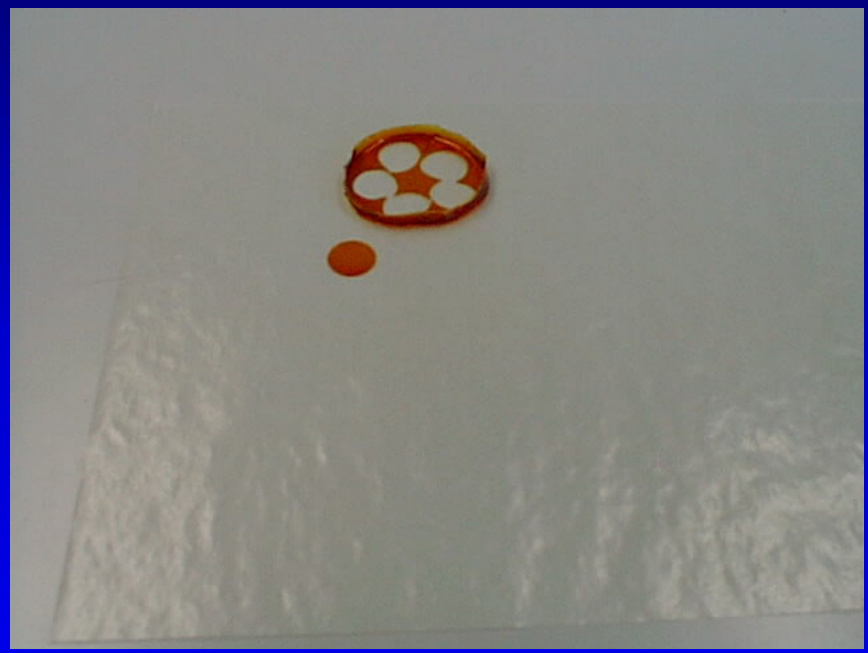
FROM ANALYTE TO SIGNAL - OPTO

Cutting out of the membrane



FROM ANALYTE TO SIGNAL - OPTO

Disc of the membrane prepared for a probe



FROM ANALYTE TO SIGNAL - OPTO

Fiber optic bundle

FROM ANALYTE TO SIGNAL - OPTO

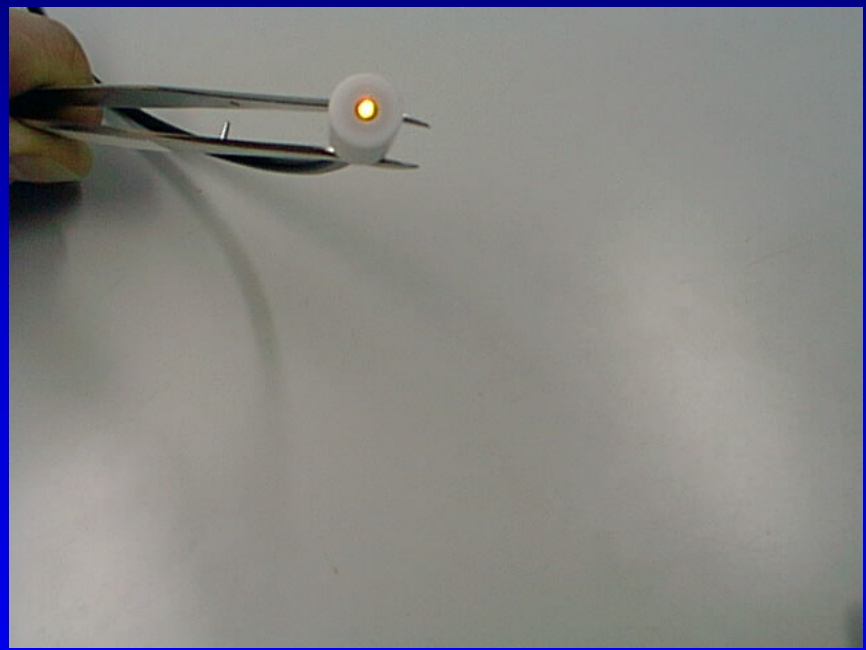
Preparation of fiber optic probe

FROM ANALYTE TO SIGNAL - OPTO

Fiber optic probe

FROM ANALYTE TO SIGNAL - OPTO

Fiber optic probe



FROM ANALYTE TO SIGNAL - OPTO

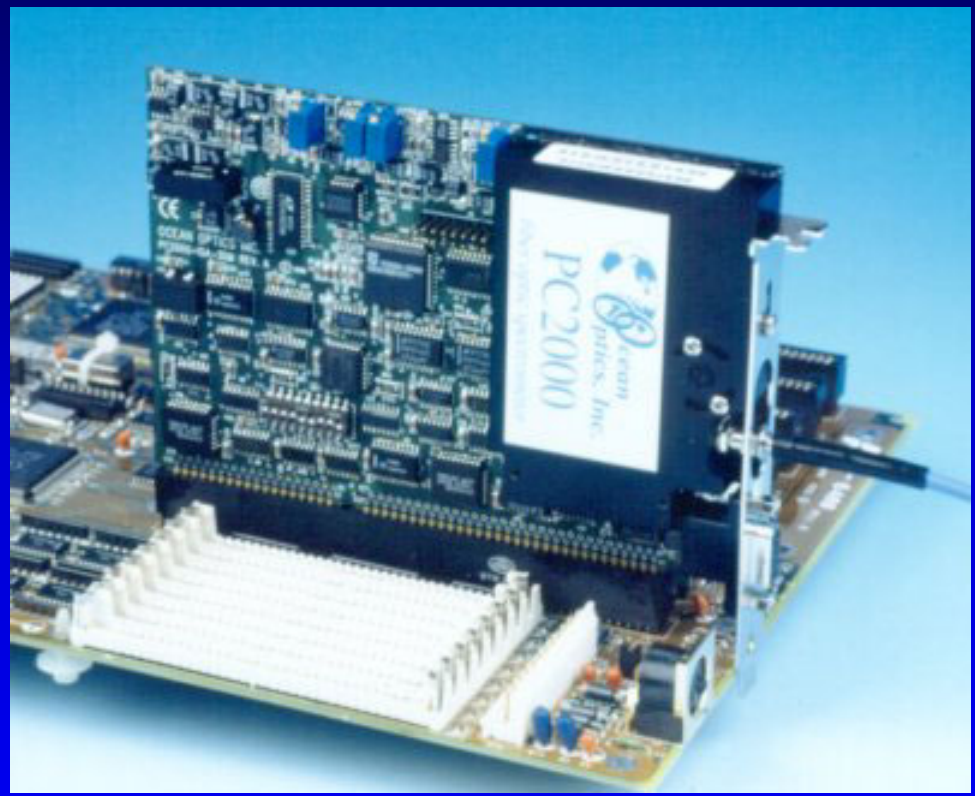
Multifunction photodetector

FROM ANALYTE TO SIGNAL - OPTO

LED driver

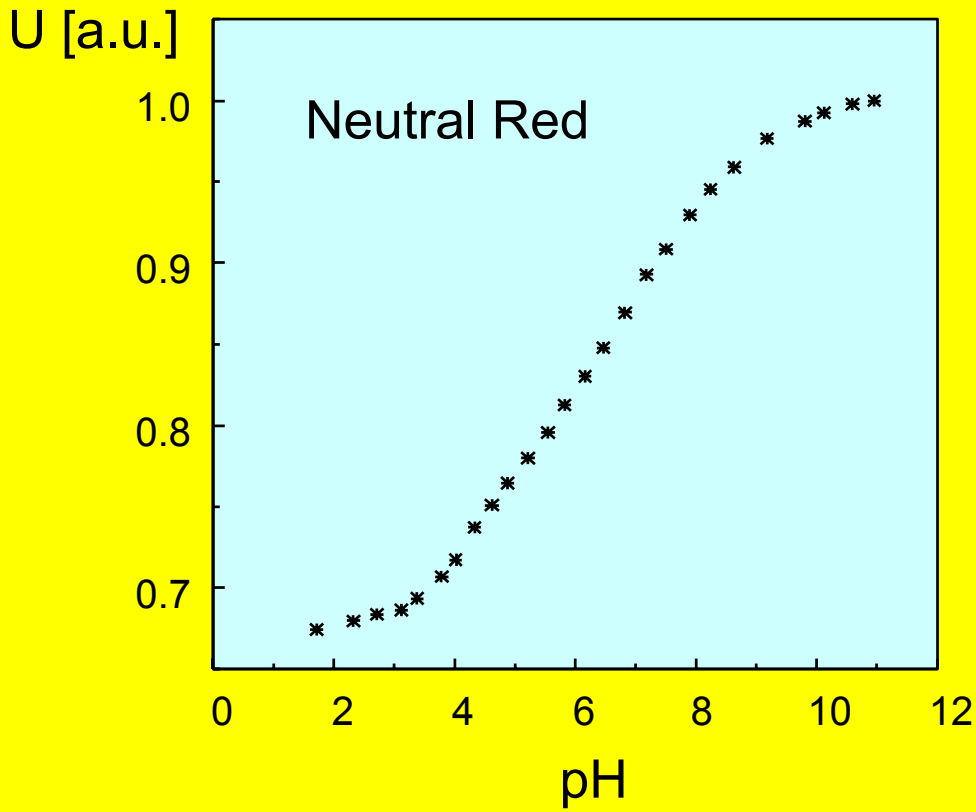
FROM ANALYTE TO SIGNAL - OPTO

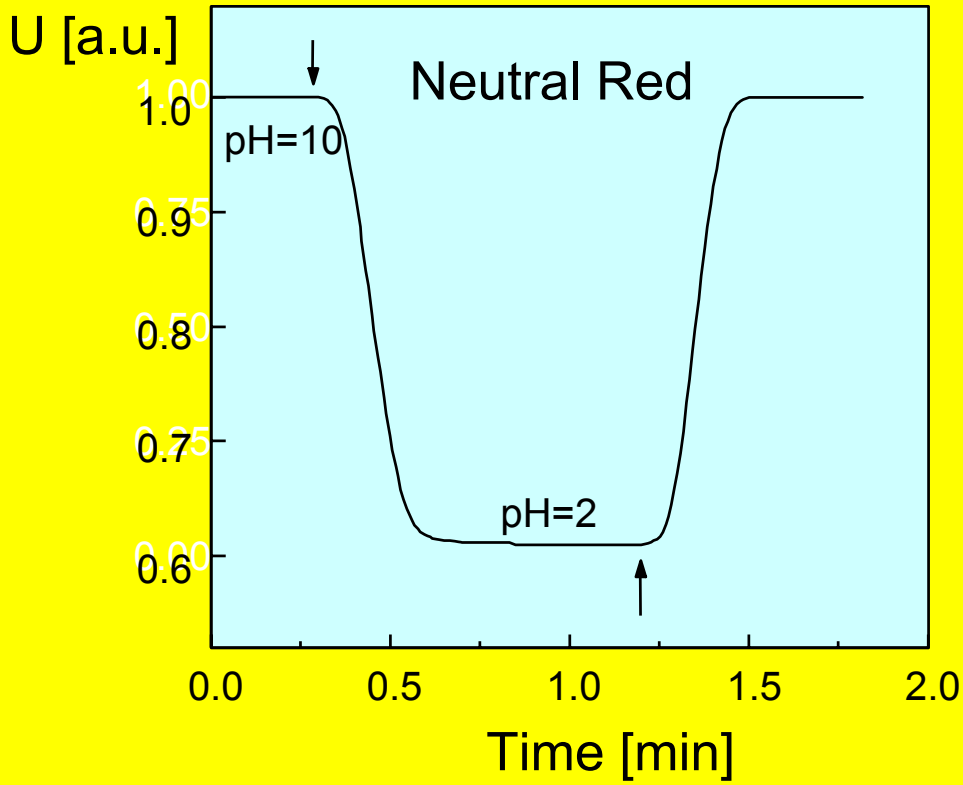
Fiber optic spectrophotometer PC-2000



FROM ANALYTE TO SIGNAL - OPTO

Calibration curve



FROM ANALYTE TO SIGNAL - OPTO

Response time