

"Smart" contact lens for diabetics

Google and Novartis's Alcon eye-care division are jointly to develop a smart contact lens to help diabetics track their blood sugar levels by measuring glucose in tears and sending the data to a mobile device

Soft contact lens: Visual path through iris and pupil undisturbed by electronics

Outer filter over iris

Wireless chip

Electrochemical sensor: Measures glucose levels once a second through pinhole in lens. All electronics sandwiched between layers of lens

Antenna: Thinner than human hair, receives power and transmits data

