

PiCOEXPLORER PAS-110-YU

# Turbidity Measurement of E.coli using PiCOEXPLORER

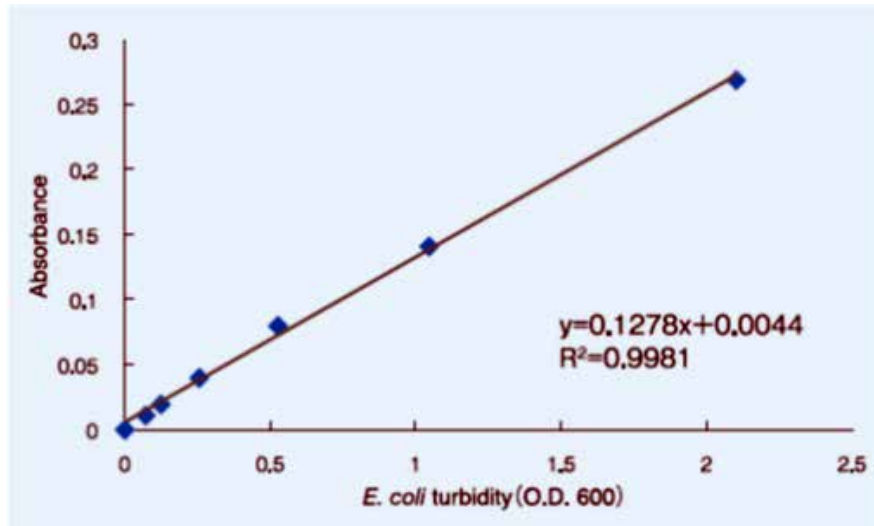
**Overview**

The turbidity of E. coli was measured using PiCOEXPLORER.

**Procedure**

1. E. coli concentrate was diluted and adjusted (preparing samples that were diluted 1, 2, 4, 8, 16 and 32 times) .
2. The adjusted turbidity samples were dispensed into PCR tubes.
3. Measurements were taken using PiCOEXPLORER (with color sensor R) and a calibration curve was prepared. (Measurement conditions: measurement color sensor Red/ Wavelength region: 575-660 nm)

**Calibration Curves**



**Result**

Measurement results indicate that PiCOEXPLORER is suitable for measuring the turbidity of E. coli.

**Measurement Venue**

Light Source Business Division, USHIO Inc.



**Features of PiCOEXPLORER**

- Boost Lab Productivity. Absorbance measurement with PiCOEXPLORER. Wavelength range: 400 - 660 nm
- Your portable, personal tool for Lab work and Field work. Analyze directly in unopened PCR tube (0.2 ml). No sample loss, easy to dispose.
- Free app for quick results and calibration curves on your smartphone, tablets. Save raw data (absorbance, concentration, intensity) in Excel file on your PC.