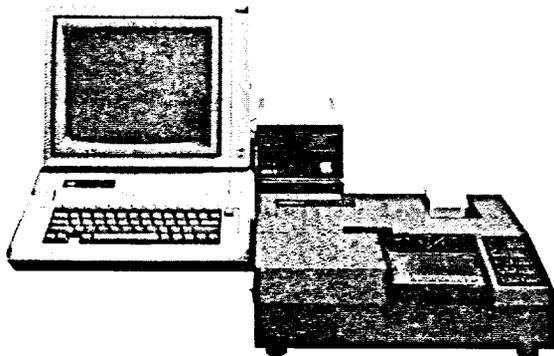


Complete Data Handling with Apple® Computer Based System

Bio-Rad's EIA reader and Apple computer system offer all the computing power necessary for even the most demanding laboratories. Together they provide the experienced Immunologist/Programmer with a matched, high performance nonisotopic assay system.



Specifications*

Operating Modes:	Absorbance - Direct printout to three decimal places with corresponding column and row positions. Matrix - Numerical printout in 8 x 12 matrix.
Measurement Range:	Linear - 0 to 1.5 AU absorbance mode. Will process up to 2.9 AU matrix mode.
Light Source:	8V/50W Tungsten Halogen Lamp.
Wavelength Range:	380 nm to 700 nm
Wavelength Selection:	High quality interference filters.**
Warm up Time:	15 minutes
Measurement Time:	Less than 60 seconds, with a hard copy printout (typical).
Without Blanking:	57 seconds start to printout (typical)
With Blanking:	62 seconds blanking to printout (typical)
Stability (15 minute warm up):	Drift < 0.006 OD/hour over eight hours (typical).
Reproducibility (15 minute warm up):	< ± 0.008 OD channel to channel (typical).
Line Voltages:	90-132 VAC, 50/60 Hz 198-264 VAC, 50/60 Hz
Power Consumption:	100 VA
AC Line Cord:	Detachable, country specific, line cords.
Weight:	8.5 kg
Size:	40 cm (W) x 13 cm (H) x 30.5 cm (D)
Memory Protection for Blank Function:	Retains blank value (zero value) up to 48 hours after line power interruption.
Thermal Dot Matrix Printer:	Paper width: 60 mm Speed: 1.8 lines per second Two rolls of paper are supplied.
Computer Interfacing (Optional):	Serial Mode: RS-232-C Parallel Mode: IEEE 488 All Model 2550 EIA Readers are equipped with required pin connector for connection to optional interface device. Connection cables are optional.

*Specifications are subject to change without notice.

**Standard bandwidth 405, 414, 450 and 492 nm filters supplied as standard equipment. Other filters covering wavelengths from 380-700 nm are available.

Affinity Purified Antibodies

Bio-Rad now offers an extensive line of affinity purified antibodies and enzyme-antibody conjugates suitable for use in all microtitration EIA systems. Affinity purified antibodies conjugated to the enzymes horseradish peroxidase and alkaline phosphatase are available. Conjugated antibodies of goat origin are directed against human, rat, swine, rabbit and mouse immunoglobulins. Conjugated antibodies of rabbit origin are directed against sheep and goat immunoglobulins. Additionally, Bio-Rad offers affinity purified unconjugated antibodies of goat origin that are directed against human IgA, or IgM, or IgG, or IgE, rabbit immunoglobulin and mouse immunoglobulin.

Affinity purified antibodies are isolated from crude antisera by passage over affinity columns containing immobilized antigen. Affinity purification removes most nonspecific antibodies, other serum proteins, and endogenous enzymes that often interfere in various assay procedures. Thus, the use of affinity purified antibodies:

- Is more cost effective because less reagent is required.
- Results in shorter assay times because the specific antibody is more concentrated due to affinity purification.
- Minimizes false positive reactions because most nonspecific antibodies and extraneous serum proteins have been removed.
- Increases sensitivity because background noise is reduced.

EIA Substrates for Alkaline Phosphatase and Horseradish Peroxidase Labeled Antibodies

Alkaline Phosphatase Substrate Kit

Bio-Rad's new Alkaline Phosphatase Substrate Kit is used in soluble EIA systems that employ alkaline phosphatase labeled antibodies. The kit contains 100 five milligram tablets of p-nitrophenyl phosphate, and 100 ml of 5X concentrate diethanolamine buffer. This is enough to prepare 500 ml of substrate solution. In the presence of alkaline phosphatase the substrate solution develops an intense yellow color, measurable at 405 nm.

Horseradish Peroxidase Substrate Kit

The new Horseradish Peroxidase Substrate Kit is used in soluble EIA systems that employ horseradish peroxidase (HRP) labeled antibodies. The kit contains two solutions, and is very easy to use. Solution A contains 2, 2'-azino-di-[3-ethylbenzthiazoline sulfonate (6)] in cacodylic acid buffer. Solution B contains hydrogen peroxide. The kit includes enough Solution A and Solution B to prepare 200 ml substrate solution. In the presence of HRP, the substrate solution develops an intense blue-green color, measurable at 414 nm.

Pipets, Tips and Plates for ELISA

For rapid, convenient 8-well pipetting we recommend Costar Octapette® together with Bio-Rad's MTP-28 tips in totally enclosed autoclavable racks, plus Costar 96-well flat bottom EIA microtitration plates.