Perform automatic measurements simply by inserting a tube (for samples), a tip (for sampling and injection), and a cartridge (reagents), and press the START key!

Simple 2-step procedure

**AU10V** has an automatic dilution function for v-COR measurements to accommodate serum samples with high cortisol levels. (Plasma samples are to be measured in dilution mode regardless of cortisol level.)

**Automatic Dilution Function**

- All reagents and materials are already prepared inside the cartridge.
- No need to add reagents.
- All calibrations and measurements are conducted automatically based on the QR code* attached to the bottom of the cartridge, which eliminates the need for lot calibration.

**Analyzer Specifications**

- **Dimensions (W x D x H)**: 238 x 326 x 310 [mm]
- **Weight**: Approximately 7 kg
- **Operating temperature**: 15℃ - 30℃ (26°F - 86°F)
- **Setup time**: ≤ 3 min
- **Required sample volume**: basic test: 100 µL, dilution test: 20 µL
- **Data memory**: 100 tests

**Reagent Cartridges Specifications**

- **Package Unit**: 10 cartridges/box
- **Storage**: 2℃ - 8℃ (35.6°F - 46.4°F)
- **Dynamic Range**:
  - **v-T4**: 0.25 - 5.00 ng/mL (8.4 - 167.20 nmol/L)
  - **v-COR**: 1.0 - 150.0 μmol/L (27.6 - 1380.0 nmol/L)
  - **v-BA**: 0.50 - 8.00 μg/dL (11.0 - 30.0 μg/dL)
  - **v-PRG**: 1.0 - 50.0 μg/dL (27.6 - 1380.0 nmol/L)
  - **v-PR**: 0.50 - 40.00 ng/mL (1.67 - 127.20 nmol/L)

**Options**

- Sample barcode reader
- Printer

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This equipment complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

This equipment is a Class 1 laser product (designed according to IEC60825-1:2014 / EN60825-1:2014)

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IMMUNO AU10V DRI-CHEM analyzers FUJI PLAIN/HEPARIN TUBE and FUJI DRI-CHEM AUTO TIPS can be used in both systems.

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Innovation in Immunodiagnostic Testing
FUJIFILM’s new Surface Plasmon enhanced Fluorescence (SPF) technology has brought about a compact sized Fluorometry Immunodiagnostic Analyzer of high reliability and accuracy. Ideal for in-clinic immunodiagnostic testing.

**Key Features**

- Real time diagnosis and monitoring
- Ideal for in-clinic immunodiagnostic testing.
- Immunodiagnostic Analyzer of high reliability and accuracy.
- Technology has realized by FUJIFILM’s cutting edge technologies

**New test parameter: Progesterone (v-PRG)**

- Easy to use
- Rapid measurement (approximately 10min)
- Serum and plasma samples are measurable in all tests
- Feline samples are measurable in v-T4 and v-BA
- The only bench top analyzer with TSH test

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>v-PRG (Progesterone)</td>
<td>Reproduction management</td>
</tr>
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<td>v-T4 (Thyroxine (T4))</td>
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<td>v-BA (Bile Acids)</td>
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</tr>
<tr>
<td>v-COR (Cortisol)</td>
<td>Addison’s Disease or Cushing’s syndrome diagnosis</td>
</tr>
</tbody>
</table>

**Real time diagnosis and monitoring for hormones are possible now.**

**Technology**

**Principle of the system**

- The equipment performs fluorometry using Surface Plasmon enhanced Fluorescence(SPF), a technology based on Surface Plasmon Resonance (SPR), within a small cartridge.
- With the SPF technology, washing for surplus fluorescent beads is not necessary, making the measurement time shorter and the machine more compact. Also since the fluorescence is enhanced by SPR, a low power beam is sufficient enough to generate substantial fluorescences intensity for detection.

<table>
<thead>
<tr>
<th>Sample Injection</th>
<th>Binding Reaction</th>
<th>Laser Beam Irradiation</th>
<th>Fluorescence Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The sample, which is mixed with the antibody, will be introduced to the flow channel of the cartridge.</td>
<td>The sample binds with the antibody, which will be attached to the gold film.</td>
<td>A SPR is generated upon irradiation by the laser beam.</td>
<td>The fluorescent intensity, which is commensurate with the level of analyte concentration, is detected.</td>
</tr>
</tbody>
</table>

**High Reliability**

**Excellent correlation with standard laboratory analyzer**

AU10V provides reliable and accurate results. It has excellent correlations with its comparison methods in serum samples.

- AU10V correlates with the enzymatic method (µmol/L) with a high correlation coefficient (r = 0.967).
- AU10V correlates with the CLEIA (µg/dL) method with a high correlation coefficient (r = 0.967).
- AU10V correlates with the Enzymatic method (µmol/L) with a high correlation coefficient (r = 0.983).
- AU10V correlates with the CLEIA (µg/dL) method with a high correlation coefficient (r = 0.983).

**Reagent Cartridges Specifications**

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**Press Release**

- **FUJIFILM**
- **FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-COR**
- **FUJI DRI-CHEM IMMUNO AU CARTRIDGE vc-TSH**
- **FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-PRG**
- **FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-COR**
- **FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-BA**