**Dimensions (W x D x H)**
238 x 326 x 310 [mm]

**Weight**
Approximately 7 kg

**Operating temperature**
15 °C - 30 °C (59 °F - 86 °F)

**Setup time**
3 min

**Target species**
- **v-T4**: 0.50 - 8.00 µg/dL (6.4 - 103.0 nmol/L)
- **vc-TSH**: 0.20 - 40.00 ng/mL (0.64 - 127.20 nmol/L)
- **v-BA**: 0.25 - 5.00 ng/mL (3.75 - 225.0 µg/mL)
- **v-COR**: 1.0 - 30.0 µg/dL (27.6 - 828.0 nmol/L)
- **v-PRG**: 1.0 - 50.0 µg/dL (27.6 - 1380.0 nmol/L)
- **vf-SAA**: 2.0 - 150.0 µmol/L

**Required sample volume**
- **basic test**: 100 µL
- **dilution test (v-COR)**: 20 µL
- **dilution test (vf-SAA)**: 10 µL

**Cartridge information**
Information about test parameters is embedded in the QR code attached to the bottom of the cartridge.

**Workflow**

1. **Insert materials**
2. **Press the START key**

**No need to add reagents.**
All reagents and materials are already prepared inside the cartridge.

**Easy To Use**

**Simple 2 - step procedure**
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!

**Automated calibration for reagents using attached QR code**
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.

**Flexibility in selecting the most appropriate sample tube (1.5 mL or 0.5 mL)**
1.5 mL or 0.5 mL sample tube can be used, allowing flexibility when collecting blood samples in accordance with the measurement situation.

**Automatic Dilution Function**
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.)

**System Configuration Diagram**

**Workflow**

1. **Insert materials**
2. **Press the START key**

**Results**

**Automated Fluorescence Immunoassay Analyzer**
For real time diagnosis and monitoring of hormonal and other important markers in canine and feline.

**Easy to use**

- Rapid measurement (approximately 10min)
- Automated Calibration
- Serum and plasma samples are measureable in all tests

**Reagent Cartridges Specifications**

<table>
<thead>
<tr>
<th><strong>vf-SAA</strong> (Serum amyloid A)</th>
<th><strong>Screening and/or monitoring of Inflammation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>v-PRG</strong> (Progesterone)</td>
<td>Reproduction management</td>
</tr>
<tr>
<td><strong>v-T4</strong> (Thyroxine (T4))</td>
<td>Hypo/Hyperthyroidism diagnosis</td>
</tr>
<tr>
<td><strong>v-cTSH</strong> (Thyroid-Stimulating Hormone)</td>
<td>Hypothyroidism diagnosis</td>
</tr>
<tr>
<td><strong>v-COR</strong> (Cortisol)</td>
<td>Adison’s Disease or Cushing’s syndrome diagnosis</td>
</tr>
<tr>
<td><strong>v-BA</strong> (Bile Acids)</td>
<td>Liver-related diseases diagnosis</td>
</tr>
</tbody>
</table>

**Workflow**

1. **Insert materials**
2. **Press the START key**
   - **Workflow**
   - **Results**

**Easy To Use**

- Simple 2-step procedure
  - 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!

**Workflow**

1. **Insert materials**
2. **Press the START key**
   - **Approx. 10 min**

**Results**

**No need to add reagents**

All reagents and materials are already prepared inside the cartridge.

**Automated calibration for reagents using attached QR code**

- 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.

**Flexibility in selecting the most appropriate sample tube (1.5 mL or 0.5 mL)**

- 1.5 mL or 0.5 mL sample tube can be used, allowing flexibility when collecting blood samples in accordance with the measurement situation.

**Automatic Dilution Function**

- To save labor operations like dispensing and mixing, AU 10V has an automatic dilution function (for vf-SAA and v-COR measurements only).

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

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

"QR code" is a registered trademark of DENSO WAVE INC.
Rapid measurement and other important markers in canine and feline for real-time diagnosis and monitoring of hormonal activity.

FUJIFILM’s Surface Plasmon enhanced Fluorescence technology (SPF) has brought about a compact-sized Fluorimetry Immunodiagnostic Analyzer of high reliability and accuracy, ideal for in-clinic immunodiagnostic testing.

**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 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 fluorescent intensity for detection.

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

- **Excellent correlation with standard laboratory analyzer**
  - AU10V provides reliable and accurate results. It has excellent correlations with its comparison methods in serum samples.

**Reagent Cartridge Specifications**

- **vf-SAA** (Serum Amyloid A): Screening and/or monitoring of Inflammation
  - For real-time diagnosis and monitoring of hormonal and other important markers in canine and feline.

**Features**

- Easy to use
- Rapid measurement (approximately 10min)
- Automated Calibration
- Serum and plasma samples are measureable in all tests

**Samples**

- Samples are measured in all tests.

**Calibration**

- Calibration technology has brought about a more accurate measurement of samples.

**Fluorometry**

- Fluorescence measurement using Surface Plasmon enhanced Fluorescence (SPF) technology.

**Equipment**

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

**Reagents**

- New v-COR (Canine) for various assays.

**Applications**

- Liver-related diseases diagnosis
- Hypo/Hyperthyroidism diagnosis
- Reproduction management
- Adrenal’s Disease or Cushion’s syndrome diagnosis
- Liver-related diseases diagnosis

**New**

- vf-SAA
- v-T4
- vc-TSH
- v-PRG
- v-COR
- v-BA

**Observations**

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

**Data**

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