## Access 2 Immunoassay System Supplies

### Wash Buffer

<table>
<thead>
<tr>
<th>Reference</th>
<th>Access 2 Supply</th>
<th>Can Replenish in Mode(s)</th>
<th>Software Interaction Needed?</th>
<th>Yellow Caution Condition</th>
<th>Red Warning Condition</th>
<th>Maximum Capacity</th>
</tr>
</thead>
</table>
| From Supplies screen:  
- ? Help  
- "View Screen"  
- Wash Buffer Bottle (on screen view) | Wash Buffer Bottle | ✓ Ready  
✓ Running  
✓ Paused  
✓ Not Ready | No | None | Float sensor detects when the internal reservoir is almost empty  
No further testing is scheduled | A full Wash Buffer Bottle installed on top of the Internal Reservoir provides approximately four liters |

### Wash Buffer Notes

- Wash buffer is buffered solution the Access 2 system uses to clean the main pipettor and probes and to remove unbound material during test processing
- The system monitors the volume of on-board wash buffer with a float level sensor

### Wash Buffer Warning

- Wash buffer contains ProClin300 preservative which may cause sensitization by skin contact

### Wash Buffer Caution

- To avoid contaminating the wash buffer, handle the dispense cap assembly only by the screw cap and not any part of the dispense cap assembly that enters the reservoir

### Wash Buffer Notes

- Do not squeeze the wash buffer bottle because excess buffer may be forced into the reservoir causing the reservoir to overflow
- It is not unusual for the sides of the wash buffer bottle to cave in as it drains
### Access 2 Immunoassay System Supplies

#### Liquid Waste

<table>
<thead>
<tr>
<th>Reference</th>
<th>Access 2 Supply</th>
<th>Can Replenish in Mode(s)</th>
<th>Software Interaction Needed?</th>
<th>Yellow Caution Condition</th>
<th>Red Warning Condition</th>
<th>Maximum Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>From Supplies screen: Help “View Screen” Liquid Waste (on screen view)</td>
<td></td>
<td>Yes</td>
<td>Ready</td>
<td>Running</td>
<td>Paused</td>
<td>Not Ready</td>
</tr>
</tbody>
</table>

From Supplies screen: Help Supplies Liquid Waste

The system monitors the volume in the on-board liquid waste bottle with a weight sensor

- If the system is not processing samples, press the button on the quick disconnects
- If the system is processing samples, remove the liquid waste bottle cap

- Proper hand, eye, and facial protection is required
- Thoroughly flush any decontaminant from the Liquid Waste Bottle before you store the Liquid Waste Bottle
- If you reinstall the Liquid Waste Bottle before you flush it, any remaining decontaminants may react with chemicals pumped into the bottle and the resulting chemical reactions can create gases harmful to you or the instrument

Warning
# Access 2 Immunoassay System Supplies

## Substrate

<table>
<thead>
<tr>
<th>Reference</th>
<th>Access 2 Supply</th>
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<th>Yellow Caution Condition</th>
<th>Red Warning Condition</th>
<th>Maximum Capacity</th>
</tr>
</thead>
</table>
| From Supplies screen:  
- Help  
- "View Screen"  
- Substrate Button (on screen view) | Yes | Ready | YES | Bottle contains 60 or fewer tests | Bottle contains zero tests  
* No further testing is scheduled | 600 tests  
(After loading prime) |

## Reference

From Supplies screen:  
- Help  
- "View Screen"  
- "Substrate" (3 fields) (on screen view)

**Yellow Caution Condition**

- Bottle contains 60 or fewer tests
- Substrate lot will expire within 3 days

**Red Warning Condition**

- Bottle contains zero tests
- Substrate lot has expired
- Onboard bottle has expired

* The last three Substrate tests in the bottle will be reserved for the end of batch Utility Assay

Substrate must be equilibrated prior to installation on the Access 2 system by storing the bottle unopened at room temperature for a minimum of 18 hours and a maximum of 14 days.
## Access 2 Immunoassay System Supplies

### Substrate (continued)

<table>
<thead>
<tr>
<th>From Supplies screen:</th>
<th>Caution</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Help" /> Help</td>
<td><img src="image2" alt="Caution" /> Do not combine partial bottles of substrate</td>
<td><img src="image3" alt="Notes" /> • To avoid contaminating the substrate:</td>
</tr>
<tr>
<td><img src="image4" alt="Supplies" /></td>
<td></td>
<td>• Only touch the tubing or inside of the substrate cap with a clean lint-free tissue</td>
</tr>
<tr>
<td><img src="image5" alt="Substrate" /></td>
<td></td>
<td>• Do not allow the substrate tubing to come in contact with any surface</td>
</tr>
<tr>
<td><img src="image6" alt="Changing the Substrate Bottle" /></td>
<td></td>
<td>• Do not loosen or remove the cap on the substrate bottle while it is equilibrating</td>
</tr>
</tbody>
</table>

In Access 2 assays, the substrate is a dioxetane-based chemiluminescent compound that emits light in response to the amount of alkaline phosphatase (enzyme) to which it is exposed.

**Caution**

Do not combine partial bottles of substrate.

**Notes**

- To avoid contaminating the substrate:
  - Only touch the tubing or inside of the substrate cap with a clean lint-free tissue
  - Do not allow the substrate tubing to come in contact with any surface
  - Do not loosen or remove the cap on the substrate bottle while it is equilibrating
# Access 2 Immunoassay System Supplies

## Reaction Vessels (RVs)

<table>
<thead>
<tr>
<th>Reference</th>
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<th>Yellow Caution Condition</th>
<th>Red Warning Condition</th>
<th>Maximum Capacity</th>
</tr>
</thead>
</table>
| From Supplies screen:  
- Help  
- "View Screen"  
- Reaction Vessels (RVs) Button (on screen view) |  | ☑️ Ready  
☑️ Running  
☑️ Paused  
*(See Notes section below for exception)* | YES | 60 or fewer RVs on board | 28 or fewer RVs onboard  
* No further testing is scheduled when zero RVs are onboard | 294 RVs  
(Three RV cartridges) |

- During an Access 2 test, the chemical reaction occurs in a container called a Reaction Vessel (RV)
- Each test uses one or two RVs

### Caution

- Remove the empty cartridge spine to prevent possible damage to the RV rake

### Notes

- You can only load full cartridges of RVs. If you try to load RVs when the instrument only has room for a partial cartridge, the system displays a message
- If the system is processing samples and has one row or fewer RVs left when you try to load more, the system displays a message indicating that the system must be in Ready mode to load a new cartridge
- RVs can fall between the rake and the wall of the incubator if you do not load RVs properly by selecting **Load RVs [F4]** from the Supplies or Supplies Required screen

* The last three RVs onboard will be reserved for the end of batch Utility Assay
## Access 2 Immunoassay System Supplies

### RV Waste Bag

<table>
<thead>
<tr>
<th>Reference</th>
<th>Access 2 Supply</th>
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<th>Yellow Caution Condition</th>
<th>Red Warning Condition</th>
<th>Maximum Capacity</th>
</tr>
</thead>
</table>
| From Supplies screen:  
🛡 Help  
🛡 “View Screen”  
🛡 RV Waste Bag Button (on screen view) | ☑ Ready  
☑ Running  
☑ Paused | YES | Room for 60 or fewer RVs in the RV Waste Bag | RV Waste Bag is full  
* No further testing is scheduled | Holds up to 300 RVs |

From Supplies screen:  
🛡 Help  
🛡 Supplies  
🛡 Reaction Vessel Waste Bag

When a test is complete, the instrument ejects the Reaction Vessel (RV) through the Waste Chute into the RV Waste Bag

### Caution

- If the system is in the Running mode when you change the RV waste bag, the system may try to eject an RV when the plastic collar on the waste bag is blocking the ejection chute. This will cause a jam
- To prevent damaging the system, DO NOT push an RV all the way back into the chute

### Notes

- The system will not start sample processing without a Waste Bag in place
- If the system is ejecting RVs, wait until you hear an RV ejected. You then have 36 seconds to remove the old waste bag and install the new one before the instrument ejects the next RV

* Room for the last three RVs in the RV Waste Bag will be reserved for the end of batch Utility Assay
Access 2 Immunoassay System Supplies

Reagent Packs

<table>
<thead>
<tr>
<th>Reference</th>
<th>Access 2 Supply</th>
<th>Can Replenish in Mode(s)</th>
<th>Software Interaction Needed?</th>
<th>* Yellow Caution Condition</th>
<th>* Red Warning Condition (No further testing is scheduled)</th>
<th>Maximum Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>From Supplies screen:</td>
<td></td>
<td></td>
<td></td>
<td>“Tests Left” Field</td>
<td>“Tests Left” Field</td>
<td>Reagent Carousel can hold up to 24 packs</td>
</tr>
<tr>
<td>▲ Help</td>
<td>Access 2</td>
<td></td>
<td>Ready</td>
<td>YES</td>
<td>Zero tests left in a pack</td>
<td>(Packs with 0 tests remaining should be unloaded)</td>
</tr>
<tr>
<td>▲ “View Screen”</td>
<td></td>
<td></td>
<td>Running</td>
<td>“Lot Number” Field</td>
<td>Onboard pack stability has expired</td>
<td></td>
</tr>
<tr>
<td>▲ Reagent Pack Button (on screen view)</td>
<td></td>
<td></td>
<td>Paused</td>
<td>“Lot Number” Field</td>
<td>Calibration for reagent lot has expired</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No Active Calibration for reagent lot exists</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>“Tests Left” Field</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ready</td>
<td>“Tests Left” Field</td>
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<td></td>
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<td></td>
<td></td>
<td>Running</td>
<td>“Tests Left” Field</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Paused</td>
<td>“Tests Left” Field</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>10 total tests or less (i.e., for ALL onboard packs of same lot)</td>
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<td></td>
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<td></td>
<td></td>
<td>Onboard pack will expire within 3 days</td>
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<td></td>
<td></td>
<td></td>
<td>“Lot Number” Field</td>
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<td></td>
<td></td>
<td></td>
<td>Ready</td>
<td>“Lot Number” Field</td>
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<td></td>
<td></td>
<td></td>
<td>Reagent lot will expire within 3 days</td>
<td></td>
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</tbody>
</table>

* Specific information for each pack can also be viewed from the Reagent Inventory [F7] screen

Reagent Carousel can hold up to 24 packs

A reagent pack is a container that holds up to five assay-specific reagents. The first pack well contains paramagnetic particles with analyte-specific antigens or antibodies attached. Conjugate is located in one of the other four wells. Depending on the assay, there may be additional reagents in one or more of the remaining three wells.

Each reagent pack contains 50 tests

Warning

- If you are reloading a partially used reagent pack, it must be returned to the same stand-alone system or Access 2 workgroup from which it was removed. A workgroup is a networked group of up to four Access 2 standalone systems that share various databases including supplies information
- If a partially used reagent pack is loaded on a different system or workgroup, it will be inventoried as a full pack and inaccurate results may occur

Caution

To prevent damaging the reagent pack, be sure it is properly seated in the reagent carousel