



## **Lyophilized Controls For AC Diagnostics (ACD)'s PCR Assays**

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### **Storage and Usage**

Store controls at 4 °C. For long term storage, controls should be kept at -20 °C.

Controls are recommended for ACD's PCR Kits and other ACD test formats only. Positive controls may contain more than one virus. Positive controls may be made by the denatured microorganisms, and not intended to be used for any biological assay.

### **Control Preparation**

To prepare the control, use the sample extraction buffer for the test system and the protocol for which the control will be used. The volume on the control label is the amount of sample extraction buffer required to prepare the control. Add this amount of sample extraction buffer to the vial to prepare the control. Mix the rehydrated control in the vial by gently shaking until fully dissolved.

### **Making Aliquots**

The prepared control can be used immediately, or divided into aliquots and stored frozen (-20 to -40 °C). Each aliquot should be sufficient for at least one use. For example, if you will use this control in one PCR tube each time you run the test, prepare 60 ul aliquots. Prepare 120 ul aliquots if you will use the control in two tubes.

Control aliquots must be kept frozen until just before use. Do not refreeze controls once they have been thawed.

### **Using the Control**

At the time you run the test, remove one control from storage and allow it to thaw. Add the prepared control to the appropriate control well; the volume of prepared control should be the same volume as the sample.

If you have any questions about preparing and using controls, please contact ACD, Inc.