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# Three-Way Auto Antifreeze Specifications & Instructions

## ACU1550 Series

**Please read all instructions and safety information prior to using product.**

### Introduction

These strips measure the concentration of antifreeze coolant inhibitors in cooling systems using either conventional or Long Life/Extended Life Coolants. The ACU1550 series measures freeze point, reserve alkalinity and pH when used with Long Life/Extended Life Coolants.

Fast and accurate results are easily obtained. Recommended service action is based on the engine and supplemental inhibitor manufacturers' specifications. Regular testing of antifreeze coolant minimizes downtime and its associated cost. Antifreeze coolant inhibitors depletion rate is affected by variations in formulas, maintenance schedules, blow by gases, topping off, and other atypical conditions found with the use of heavy-duty diesel and gasoline engines.



### Availability

Product	Glycol Range	Res Alkalinity	pH Range	Quantity
ACUTEST1	0 - 100%	< 3.0 - 10.1+	< 5.0 - 13	25 Pks of 4ea Foils
ACU1550-C	0 - 100%	< 3.0 - 10.1+	< 5.0 - 13	12 Bottles of 70ea
ACU1550-PAK	Color Chart and Instruction Cards			100 Cards

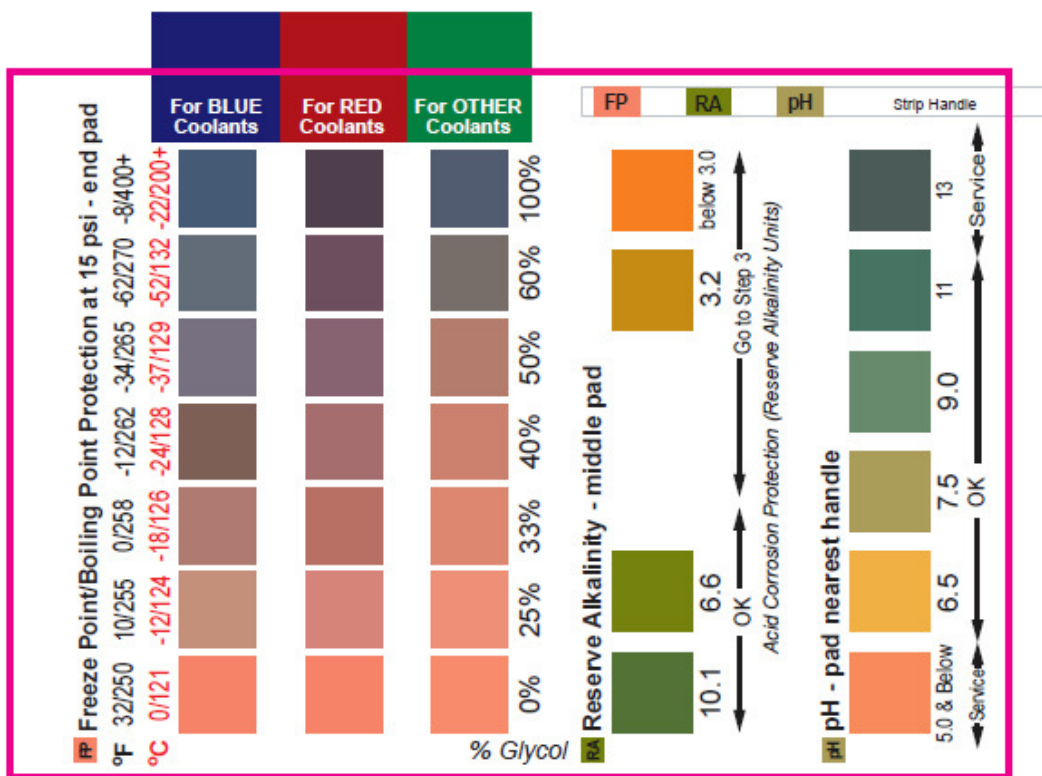
The ACU1550 can be used with either conventional or Long Life/Extended Life Coolants. The strip measures freeze point and RA when used to test conventional coolant. Or, it measures freeze point and pH when used to test extended life coolant.

Material Data Safety Sheets for our products are available at: [www.acustrip.com/msds.html](http://www.acustrip.com/msds.html)

## Test Procedures

Test antifreeze coolant before maintenance is performed. The test strips should be used by the date on the packaging. For best results:

- Start with clean, dry hands and utensils.
  - Run test in a well-lit area, natural light if possible.
  - Collect coolant sample from the radiator or petcock. DO NOT collect from the coolant recovery or overflow system. Coolant must be between 60° F and 100° F when tested. Room temperature is preferred.
  - Remove one strip from one packet. DO NOT touch the pads on the end of the strip.
  - Dip strip in coolant sample for two seconds without motion. Remove, and shake strip briskly to remove excess liquid.
1. After 40-seconds compare end-pad color to appropriate Freeze Point / Boiling Point color chart. If the coolant mixture is less than 40% or greater than 60% check your maintenance manual as service may be suggested. Perform next 2 steps within 30-seconds.
  2. Compare middle-pad color to Reserve Alkalinity color chart. If pad color is 6.6 or greater coolant is good. If pad color is less than 6.6 go to step 3.
  3. Compare pad color closest to strip handle to pH color chart. If pad color is below 6.5 or 11 or above, service is recommended.
- Complete color matching within 15 seconds.
  - For best results follow test times carefully. Use a stopwatch or clock with a sweep second hand. Comparing the test strips to the color chart too soon or too late may result in incorrect readings and improper treatment and could result in liner pitting and engine damage.
  - All readings should be recorded on the vehicle maintenance record for future reference.



**Please Note:** Your computer monitor or printer may not correctly render the colors in the above color chart. For the most accurate results, please consult the color chart that accompanies the test strips.

## **ACU1550-PAK Color Charts**

One hundred color chart and instruction cards used as a sales tool for the professional service provider. Add to your order for 1550 bottles. Each card contains a full set of color charts on one side and text to help you make a sale on the other side. The text begins by stating, "Your vehicle is a major investment." Minimize the expense by asking the mechanic for routine inspections of cooling system at each oil change. The cards end with the tag line, Maintenance is less expensive than repairs! Give these cards to your customers with the ACU1550 test strip to increase your bottom line!



### **SAFETY WARNING: REMOVAL OF RADIATOR CAP IS DANGEROUS**

Radiators are under pressure. Hot coolant under pressure can cause severe burns. Do not remove the radiator cap on a hot engine. Wait until the temperature is below 50° Celsius (120° Fahrenheit) before removing the cap. Failure to wait may result in personal injury from hot coolant spray or steam. Remove cap slowly to relieve all pressure. Wear gloves – if skin contact wash immediately.

**Dispose of your used test strip with normal paper waste.**  
**Dispose of your used antifreeze coolant in accordance with local regulations.**