

SNAP Beta-Lactam ST Test

No heat required

Save time. Stay confident.

Dairy consumers are concerned about antibiotic residue. Give them the reassurance of product quality by relying on a very fast, simple, and reliable test: the SNAP* Beta-Lactam ST Test.

Unmatched residue detection. Test can be done on raw milk, UHT milk, sterilized milk, reconstituted milk powder, and thawed milk. Species include cows, ewes, goats, and mares.

Rugged and versatile. Test raw or comingled milk on the go, without heat. Farmers, truck drivers, and laboratories can read test results visually or by using the SNAPshot* DSR Reader without heating.

Backed by IDEXX. Process milk with confidence knowing that our rigorous quality control standards include ISO 9001 facility certification and independent validation.



Sensitivity table

| Drug | European MRL | FDA tolerance | SNAP Beta-Lactam ST Test detection level (at or below) |
|---------------------------------|--------------|--------------------|--|
| Penicillins | | | |
| Penicillin G (Benzylpenicillin) | 4 ppb | 0 ppb [†] | 3 ppb |
| Ampicillin | 4 ppb | 10 ppb | 4 ppb |
| Amoxicillin | 4 ppb | 10 ppb | 4 ppb |
| Oxacillin | 30 ppb | | 5 ppb |
| Cloxacillin | 30 ppb | 10 ppb | 5 ppb |
| Dicloxacillin | 30 ppb | | 5 ppb |
| Nafcillin | 30 ppb | | 4 ppb |

| Drug | European MRL | FDA tolerance | SNAP Beta-Lactam ST Test detection level (at or below) |
|-----------------------|---------------------|----------------------|--|
| Cephalosporins | | | |
| Cephapirin | 60 ppb [‡] | 20 ppb | 25 ppb |
| Desacetylcephapirin | 60 ppb [‡] | | 70 ppb |
| Ceftiofur | 100 ppb | 100 ppb [§] | 12 ppb |
| Desfuroylceftiofur | 100 ppb | 100 ppb [§] | 70 ppb |
| Cefquinome | 20 ppb | | 16 ppb |
| Cefalonium | 20 ppb | | 20 ppb |
| Cefazolin | 50 ppb | | 30 ppb |
| Cefacetrile | 125 ppb | | 80 ppb |
| Cephalexin | 100 ppb | | >7,500 ppb |
| Cefoperazone | 50 ppb | | 40 ppb |

[†]The FDA has established a target testing level of 5 ppb for penicillin.

[‡]MRL is established for cephalosporins as the sum of cephalosporin and desacetylcephapirin.

[§]FDA tolerance is established for ceftiofur as the marker residue, desfuroylceftiofur.

For more information or to order, call 1-800-548-9997.

Try all our SNAP* products:

- Beta-Lactam
- Tetracycline
- Aflatoxin M1
- Gentamicin
- Sulfamethazine



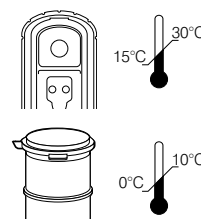
Test with Confidence™



SNAP Beta-Lactam ST Test

Before you begin

- Work space must be clean and free of drug residues.
- The SNAP* Beta-Lactam ST Plus Test is designed for use under normal ambient conditions (18°C–30°C or 64°F–86°F).
- Samples must be refrigerated at 0°C–10°C (32°F–50°F) and tested within 3 days of collection.
- Bring test to room temperature (approximately 15 minutes) before use.
- Make sure the conjugate pellet is at the bottom of the sample tube. If not, tap tube gently to return pellet to the bottom.
- Thoroughly mix sample before testing.
- Do not use a SNAP* test after its expiration date.
- Refer to package insert for complete instructions.



Prepare sample

- Using the IDEXX pipette, draw up milk to indicator line (450 µL ±50 µL). Add milk to sample tube (figure 1).
- Gently shake tube side to side to dissolve the conjugate pellet (figure 2). Do not leave sample in tube longer than 15 seconds before pouring it into the SNAP* device.



Figure 1.



Figure 2.

Run test

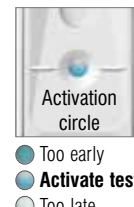
- Pour entire contents of sample tube into sample well of the SNAP device (figure 3). The sample will flow across the results window toward the blue activation circle.
- When the activation circle is half white, half blue, press down firmly on the activator tab until you hear a distinct “snap” sound. Do not allow the blue activation circle to wash away complete (figure 4).



Figure 3.

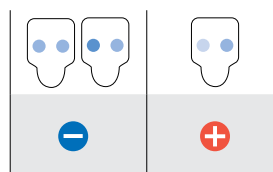
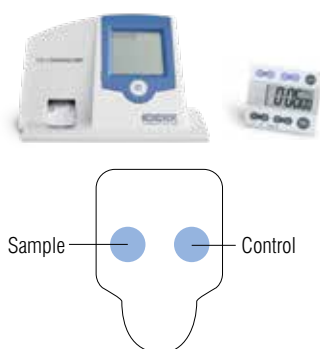


Figure 4.



Read results

- After 6–8 minutes, read the results either visually or using the SNAPshot* DSR Reader.
- If the sample spot is lighter than the control spot, the sample is positive. If the sample spot is equal to or darker than the control spot, the sample is negative.



It is recommended that positive samples be further analyzed. All SNAP tests can be read using the SNAPshot DSR Reader—making it easy to transfer, download, store, and print data using your computer.

SNAP tests are backed by a dedicated team of technical service professionals. If you have questions, call IDEXX Technical Services at **1-800-548-9997** or contact your local IDEXX representative.

IDEXX

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED