

Species
Identification
Field
Test

ORBIT	- beef
PROFIT	- poultry
PRIME	- pork
SOFT	- sheep

Manufacturer:
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SIFT is a series of tests that may be used to identify the species of a meat sample.

A test for each different species must be set up on separate plates for each species.

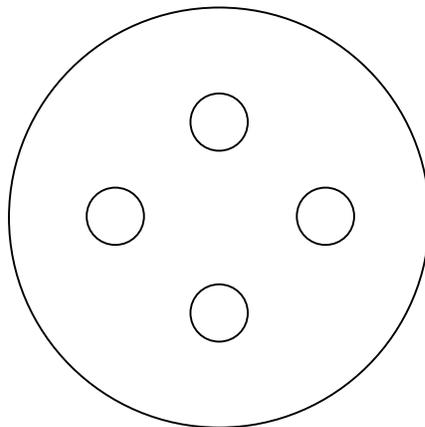
Sift is an application of a specific antigen-antibody reaction. When specific antigen-antibody pairs react, a visible line of white precipitate is formed in the reaction zone.

When the reference discs are positioned on an agar plate, the anti-species antibody reacts with the species reference antigen to form a reference line. The reference line provides a positive control for each SIFT plate.

The sample discs are saturated with fluids from a tissue sample. If the sample is from the same species as the anti-species antibody disc, an antigen-antibody reaction will occur and a visible line of white precipitate will form between the sample and the anti-species antibody disc. This line is called the sample line.

If the sample is not from the same species as the anti-species antibody disc, no line will form.

SIFT
Plate

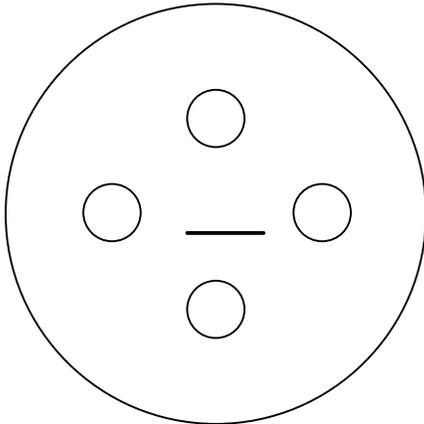


Disc placement targets:
Sample - S
Antibody - A
Antigen - B (beef)
 - Pk (pork)
 - P (poultry)

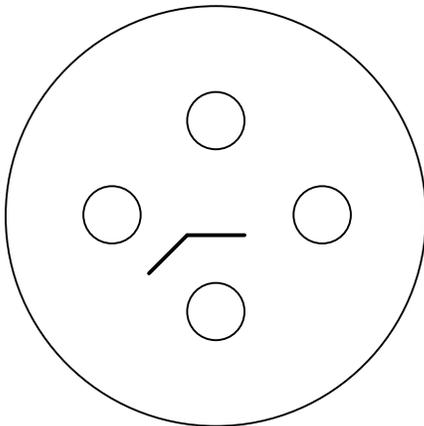
INSTRUCTIONS:

- 1) Label plate
- 2) Remove cover
- 3) Put antibody disc on "A" target
- 4) Put antigen disc on antigen target
- 5) Add meat sample to vial to first line
- 6) Add water to vial to second line
- 7) Mix and tamp down meat
- 8) Dip sample disc in water and put on the "S" target
- 9) Close disc, store overnight (15-24 hours) at room temperature
- 10) Read results

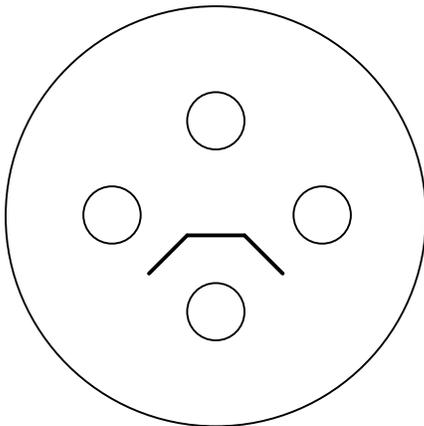
READING RESULTS:



Both samples are
negative



Sample on Right is
negative, Sample on
Left is **positive**.



Both samples are
positive.

- ✎ **Positive** results indicate that the sample **does** contain the species being tested for.
- ✎ **Negative** results indicate that the sample **does not** contain the species being tested for.