

TRAIT TESTING COMPARISON



	Lateral Flow Strip	PCR
Detection	<ul style="list-style-type: none"> ◆ Protein ◆ Level 0.5%-1.0% (varies by trait) 	<ul style="list-style-type: none"> ◆ DNA ◆ Level is 0.1%
Sensitivity	<ul style="list-style-type: none"> ◆ Highly variable results ◆ Low sensitivity 	<ul style="list-style-type: none"> ◆ Comprehensive trait testing ◆ Highly sensitive
Sample Required	<ul style="list-style-type: none"> ◆ Single seed or leaf tissue ◆ 1 trait/test strip 	<ul style="list-style-type: none"> ◆ 3000 seeds required for DNA extraction ◆ Multiple traits/test
Speed	<ul style="list-style-type: none"> ◆ Quick turn-around (1 day) 	<ul style="list-style-type: none"> ◆ Slower turn-around (3-5 days)
Expense	<ul style="list-style-type: none"> ◆ Inexpensive for a single trait (\$10—\$270) 	<ul style="list-style-type: none"> ◆ More expensive (unless testing for all traits) (\$175—\$305)
Use	<ul style="list-style-type: none"> ◆ Quick risk assessment ◆ Use as a “Guide” 	<ul style="list-style-type: none"> ◆ Highly repeatable results ◆ Use for “Reporting”