

GENETICALLY MODIFIED ORGANISM

AgraStrip®

GMO Seed™

Romer Labs now provides a wide range of GMO test strips which detect GMO proteins in various commodities. These kits are especially designed for single seed testing.



How AgraStrip® GMO Seed Chek Tests work

The assay uses a double antibody sandwich format. Antibodies specific to the target protein are coupled to a color reagent and incorporated into the lateral flow strip. When the lateral flow strip is placed in a small amount of an extract from plant tissue that contains the target protein, binding occurs between the coupled antibody and the protein. A sandwich is formed with some, but not all the antibody that is coupled to the color reagent. The membrane contains two capture zones, one captures the bound target protein and the other captures color reagent. These capture zones display a reddish color when the sandwich and/or unreacted colored reagents are captured in the specific zones on the membrane. The presence of only one line (control line) on the membrane indicates a negative sample and the presence of two lines indicates a positive sample.

Kit contents

AgraStrip® GMO SeedChek™ test strips are available in three different package sizes and contain 50, 200 or 400 strips. These tests are only available for seed companies.

Detectable Proteins

- Bt-Cry1Ab
- Bt-Cry1Ac
- Bt-Cry1A.105
- Bt-Cry2Ab
- Bt-Cry1F
- Bt-Cry3Bb
- Bt-Cry34Ab1
- CspB
- CP4 EPSPS
- EPSPS
- PAT
- PMI
- Vip3A
- eCry3.1Ab

CUSTOMER BENEFITS

- User friendly
Test strips are very easy to use
- Rapid Tests are completed in a few minutes
- Cost effective
No expensive equipment is required



Romer Labs® GMO SeedChek Products

| Product | Item No. | Protein detected |
|---|----------|--|
| AgraStrip® Cry2Ab SeedChek | 3000007 | Bt-Cry2Ab |
| AgraStrip® LL Cotton SeedChek | 3000008 | PAT |
| AgraStrip® EPSPS SeedChek | 3000091 | EPSPS (Event GA21) |
| AgraStrip® Cry1Ac SeedChek | 3000094 | Bt-Cry1Ac |
| AgraStrip® RUR-HS Comb SeedChek | 3000184 | CP4 EPSPS |
| AgraStrip® RUR SeedChek | 7800010 | CP4 EPSPS |
| AgraStrip® Cry3Bb SeedChek | 7800011 | Bt-Cry3Bb |
| AgraStrip® Cry34Ab1 SeedChek | 7800012 | Bt-Cry34Ab1 |
| AgraStrip® RUR-HS SeedChek | 7800013 | CP4 EPSPS |
| AgraStrip® Triple Trait SeedChek | 7800014 | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, Bt-Cry3Bb |
| AgraStrip® Cry1F SeedChek (water extract) - corn | 7800015 | Bt-Cry1F |
| AgraStrip® Vip SeedChek | 7800016 | Vip3A |
| AgraStrip® Cry1Ab SeedChek | 7800017 | Bt-Cry1Ab |
| AgraStrip® Cry1F SeedChek (buffer extract) - cotton | 7800018 | Bt-Cry1F |
| AgraStrip® LL SeedChek | 7800019 | PAT |
| AgraStrip® Cry1F/Cry34 SeedChek | 7800020 | Cry1F, Cry34Ab1 |
| AgraStrip® CSPB SeedChek | 7800021 | CspB |
| AgraStrip® eCry3.1Ab SeedChek | 7800022 | eCry3.1Ab |
| AgraStrip® Cry1Ac-S SeedChek | 7800023 | Bt-Cry1Ac |
| AgraStrip® PMI SeedChek | 7000052 | PMI |
| AgraStrip® RUR Comb SeedChek | 7801100 | CP4 EPSPS |
| AgraStrip® Btk SeedChek | 7802000 | Bt-Cry1Ab, Bt-Cry1Ac |
| AgraStrip® Btk Comb SeedChek | 7802100 | Bt-Cry1Ab, Bt-Cry1Ac |
| AgraStrip® BR SeedChek | 7803000 | CP4 EPSPS, Bt-Cry1Ac |
| AgraStrip® BR Comb SeedChek | 7803100 | CP4 EPSPS, Bt-Cry1Ac |
| AgraStrip® LL Comb SeedChek | 7804100 | PAT |
| AgraStrip® B2R SeedChek | 7805000 | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac |
| AgraStrip® B2R Comb SeedChek | 7805100 | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac |
| AgraStrip® Triple Trait Comb SeedChek | 7806100 | CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac, Bt-Cry1A.105, Bt-Cry3Bb |