



Igenity[®] Dairy

New 65K chip. Both profiles. Your choice.

Trait testing to provide you the whole picture.

| Traits | Igenity Select | Igenity Essential |
|--|--|---|
| Parentage | Yes — parentage discovery | Sire discovery — add on |
| Result type | Official CDCB PTAs** | CDCB supported breeding values |
| Turnaround time | 17 days guaranteed* | 17 days guaranteed* |
| Traits included (see reverse for more details) | All CDCB traits Kappa-casein Beta-casein Beta-lactoglobulin | 15 key traits |
| Add-on content available | A2 beta-casein BVD diagnostic testing Causative brachyspina Causative horned/poll Causative complex vertebral malformation | A2 beta-casein BVD diagnostic testing Parentage |
| Additional fees | Add-on content Sampling equipment CDCB fees | Add-on content Sampling equipment |
| Males supported | Yes | No |
| Breeds supported | Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey | Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey |
| Information required | Sample ID Animal ID Unique ID (Reg. #RFID/AIN) Breed, sex, birth date, multiple birth status Strongly encouraged: sire ID and dam ID | Sample ID Animal ID Breed *For Parentage add-on unique ID required, birth date, multiple birth status required |
| Chip | Custom dairy GGP65K | Custom dairy GGP65K |
| Price | \$\$\$ | \$\$ |

*To qualify for 17 day turnaround time guarantee, samples must be submitted using Allfex Tissue Sampling Units (TSUs), provide a completed electronic submission form and arrive with proper identification. Exclusions apply. Contact your NEOGEN[®] representative or visit genomics.neogen.com/en/igenityguarantee for complete details.

**PTAs are Predicted Transmitting Abilities that combine genomic breeding values with ancestral phenotypic information for enhanced reliability.



| | Trait | Igenity Select | Igenity Essential |
|---------------------|-----------------------------------|----------------|-------------------|
| Key Traits | Net merit | ● | ● |
| | Milk yield | ● | ● |
| | Fat (lbs.) | ● | ● |
| | Protein (lbs.) | ● | ● |
| | Somatic cell score | ● | ● |
| | Productive life | ● | ● |
| | Daughter pregnancy rate | ● | ● |
| | Daughter calving ease* | ● | ● |
| | Igenity® performance index (IPI)* | ● | |
| | Final score (PTAT) | ● | ● |
| Health Traits | Genomic future inbreeding | ● | |
| | Cow livability | ● | |
| | Hypocalcemia (milk fever)* | ● | |
| | Displaced abomasum* | ● | |
| | Ketosis* | ● | |
| | Mastitis* | ● | |
| Yield Traits | Metritis* | ● | |
| | Retained placenta* | ● | |
| | Fat (%) | ● | ● |
| | Protein (%) | ● | ● |
| | Cheese merit | ● | ● |
| Fertility Traits | Fluid merit | ● | ● |
| | Grazing merit | ● | |
| | Sire calving ease* | ● | |
| | Heifer conception rate | ● | |
| | Cow conception rate | ● | |
| | Daughter stillbirth* | ● | ● |
| | Sire stillbirth* | ● | |
| | Gestation length | ● | |
| Early first calving | ● | | |
| Haplotype status* | ● | | |

| | Trait | Igenity Select | Igenity Essential |
|---|--|-------------------|-------------------|
| Type Traits | Dairy form | ● | ● |
| | Type traits including: feet/legs composite*, udder composite*, stature, strength, body depth*, rump angle, thurl width, rear legs side view, rear legs rear view*, foot angle, feet and leg score*, fore udder attachment, rear udder attachment, rear udder height, rear udder width, udder cleft, udder depth, front teat placement, rear teat placement*, and teat length | ● | |
| Genetic Conditions | Coat color (including black/red)* | ● | |
| | Dominant red coat color* | ● | |
| | Haplotype polled | ● | |
| | Haplotype brachyspina* | ● | |
| | Haplotype CVM* | ● | |
| | Haplotype HCD | ● | |
| | BLAD* | ● | |
| | DUMPS* | ● | |
| | Haplotype mulefoot | ● | |
| | Kappa-casein | ● | |
| | Beta-casein | ● | |
| | Beta lactogloblin | ● | |
| | Other | Breed composition | ● |
| A2 beta-casein† | | ● | ● |
| BVD diagnostic testing† | | ● | ● |
| Caustive brachyspina | | ● | |
| Caustive horned/polled | | ● | |
| Caustive complex vertebral malformation | ● | | |

*Traits available for Holstein animals, but may not be available for all breeds.

†Traits available for an additional fee.

Feed saved, heifer livability, and updated type traits available December 2020.

NEOGEN.com