



# GGP F-250

## Discovering the future



The GGP F-250 is a discovery tool that researchers, breed associations and seedstock industry leaders are using to find the most important genetic traits and develop new tests for genomic improvement in cattle.

The GGP F-250 is differentiated from other genomic tools that are available by allowing researchers to evaluate the direct impact single genetic markers may have on measurable traits such as performance, quality, or disease.

Through public/private collaboration, the GGP F-250 will help scientists discern and validate new gene markers that will be designed into the next generation of genomic profilers available commercially to cattle producers.

### Important areas of research with the F-250 include:

- Fertility – genes in a complex trait critical to production
- Growth and development – variations affecting growth rates, development and size
- Genetic health – uncovering sources of beneficial and negative gene expression in cattle
- Disease resistance – finding natural immunity to long-standing health challenges, such as BRD, and other costly health risks
- Feed efficiency – finding genes that affect expression of feed conversion and suitability for various production environments

In select situations with researchers, breed associations and producer research cooperators, the GGP F-250 is available from Neogen® GeneSeek® Operations.

### The product delivers:

#### 35K imputation SNPs

- These gene markers are imputed to the SNP 50 for genotypes
- Data provided to the relevant breed association for GE-EPDs

#### 220K research SNPs

- These gene markers are under evaluation for their potential positive or negative impact on key traits
- These results may potentially be very important in production when the data and SNP effects are validated

*To learn more, contact your Neogen GeneSeek territory manager.*

*Academic sale inquiries to Ben Pejsar, [bpejsar@neogen.com](mailto:bpejsar@neogen.com).*



Neogen GeneSeek Operations • 4131 N. 48th Street, Lincoln, NE 68504  
877-443-6489 • [genomics.neogen.com](http://genomics.neogen.com) • [genomics.neogen.com](http://genomics.neogen.com)

