

# Bovine AMH

Enzyme-Linked Immunoassay Kit



**Introduction:** Anti-Müllerian Hormone (AMH) is a protein hormone produced by granulosa cells in ovarian follicles. AMH can be measured any time in the estrous cycle and is a direct measure of ovarian reserve with a high correlation to Antral Follicle Count.

In Bovine or other production animals, measuring AMH will:

- Predict response to ovarian stimulation and embryo yield
- Predict fertility in dairy cows: selection for culling
- Diagnose Granulosa-Theca Cell Tumors
- Test for the presence of functional testicular tissue.

## ANSH LABS ADVANTAGES

### Accurate

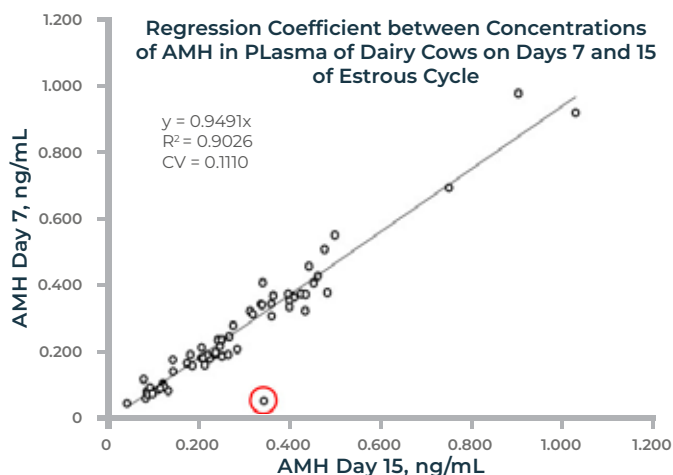
Multiple dilutions of two Bovine plasma samples containing various AMH levels were performed in Calibrator A/ sample diluent. The samples were assayed and the % recovery was calculated. The % recovery is represented below.

### Specific

AMH levels were measured in different breeds to establish breed-specific AMH ranges. The highly sensitivity Ansh Labs Bovine AMH assay can be used to establish breed-specific AMH cut-off values for donor and embryo recipient selection.

### Reliable

Excellent precision and consistency of performance from assay-to-assay, lot-to-lot and lab-to-lab.



### Sensitive to ~11 pg/mL

Able to distinguish small differences in fertility especially in breeds that have inherently low AMH levels.

### Highly published and validated assay

Provides confidence in results.

### High Precision

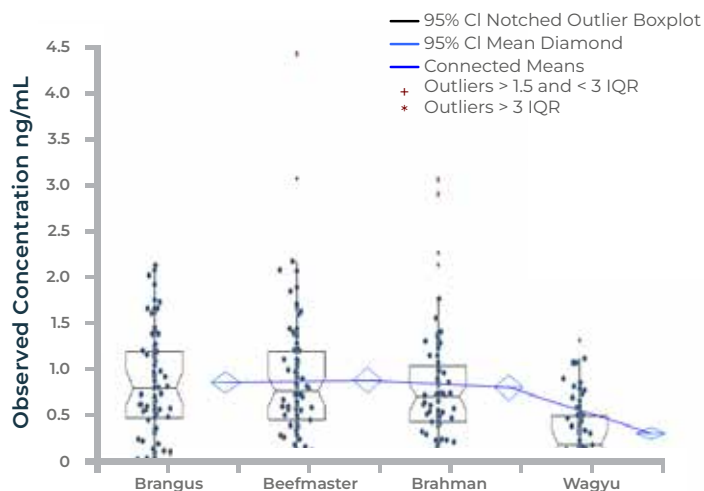
Ability to know that the AMH value is correct for each individual heifer/cow.

### Analytical measurable range of 13.5-2240 pg/mL

Wide dynamic range reduces repeat testing of samples.

### Long Shelf-life

24 months from the date of manufacture; minimizing assay lot changes for long term studies.



# Bovine AMH

## Product Listing

This assay has been validated in the following breeds:

### Bos taurus (Fullblood)

- Jersey
- Hereford
- Holstein
- Angus
- Red Angus
- Black Angus

### Bos indicus (Fullblood)

- Beefmaster
- Brangus
- Holstein-Jersey
- Girolando
- Braford
- Bonsmara
- Wagyu

### Mixed (Composite)

- Brahman
- Gyr
- Nelore

### Bubalus bubalis (Fullblood)

- Murrah

## ELISA 96 Wells

Method	Quantitative 3-step sandwich type immunoassay
Incubation Time	Total 3.5 hour incubation at room temperature
Approximate Dynamic Range	6 points, 13.5-2240 pg/mL
Sensitivity	11 pg/mL
Sample Size / Type	50 µL / EDTA Plasma
Shelf-life	24 months
Catalog Number	AL-114

## Related Assays

Canine AMH	96-Well ELISA	AL-116
Equine AMH	96-Well ELISA	AL-115
Ovine AMH	96-Well ELISA	AL-155
Porcine AMH	96-Well ELISA	AL-169
Primate AMH	96-Well ELISA	AL-105
Rat/Mouse AMH	96-Well ELISA	AL-113

Additionally, many of our human assays have been validated in countless animal species. To view the latest cross-reactivity matrix, go to the Resources tab on our website and chose "Species Specific Immunoassays"

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### Reproductive Function

Activin A [CE]  
Activin B  
Activin AB  
AFP  
AMH [CE]  
AMH, Dried Blood Spot [CE]  
AMH (PCOCheck™) [CE]  
picoAMH (MenoCheck®) [FDA, CE]  
BMP-15  
Estriol [FDA, CE]  
Follistatin  
Follistatin Like-3  
FSH  
FSH, Dried Blood Spot  
GDF-9  
GDF-9/BMP-15 Complex  
GDF-15, Total  
GDF-15, H-Specific  
Inhibin, Total  
Inhibin A [FDA, CE]  
picoInhibin A  
Inhibin A (OMQCheck™)  
Inhibin B [CE]  
Inhibin B, Ultra-Sensitive [CE]  
LH  
LH, Dried Blood Spot  
PAPP-A [CE]  
PAPP-A2 [CE]  
picoPAPP-A [CE]  
PLGF [CE]  
Prolactin [FDA, CE]  
Prolactin, Dried Blood Spot [CE]

### Specialty Controls

AnshCheck AMH Tri-Level Controls [FDA, CE]  
AnshCheck Inhibin B Tri-Level Controls  
AnshCheck Maternal Screening Bi-Level Controls [FDA, CE]

### Metabolism

C-Peptide of Insulin  
GIP, Intact  
GIP, Total  
Glicentin  
GLP-1  
GLP-2  
Glucagon [FDA, CE]  
Major Proglucagon Fragment  
Oxyntomodulin  
Proglucagon

### Growth Factors

IGF-I, Free  
IGF-I, Total [FDA, CE]  
IGF-II  
IGFBP-2  
IGFBP-3, Intact  
IGFBP-3, Total  
IGFBP-4, Intact  
IGFBP-4, Total  
IGFBP-5  
picolL-6  
Stanniocalcin 2

### Species Specific Assays

Activin B: Mouse, Rat  
AMH: Bovine, Canine, Equine, Feline, Mouse, Ovine, Porcine, Primate, Rat  
GDF-15: Bovine  
IGF-I, Free: Mouse, Rat  
IGF-I, Total: Mouse, Rat  
IGFBP-4, Intact : Mouse, Rat  
IGFBP-4, Total: Mouse, Rat  
Inhibin A: Canine, Equine, Rodent  
Inhibin B: Canine, Equine, Mouse  
Oxyntomodulin: Mouse, Rat  
PAPP-A: Mouse

### Neuronal Disorders

MBP

\*\*Unless stated otherwise, products are for research use only.

### Customer Relations

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ISO 13485:2016

Ansh Labs is ISO certified for the design, development, manufacturing, services and distribution of reagents/ immunoassay kits for research and in vitro diagnostic applications.