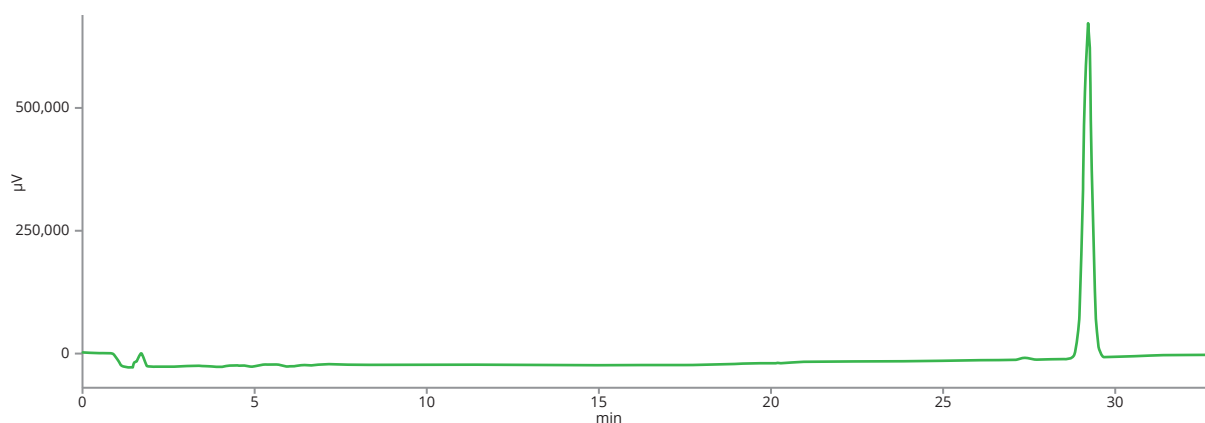




## Synthetic prostaglandin

Synthetic analogue of prostaglandin F2 $\alpha$  (PGF 2 $\alpha$ ) is used in veterinary medicine as luteolytic agent for the induction of estrus and the treatment of reproductive disorders in cattle, swine, and horses. This application shows the determination of synthetic prostaglandin according to proprietary method. ASTRA® C18-HE column provide perfect peak symmetry in a long sequence of analysis.

|                  |                         |
|------------------|-------------------------|
| <b>Substance</b> | Synthetic prostaglandin |
|------------------|-------------------------|



Test solution on ASTRA® column

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Column</b>           | ASTRA® C18-HE, 5.0 $\mu$ m        |
| <b>Dimensions</b>       | 150 mm $\times$ 4.6 mm            |
| <b>Part number</b>      | AST-5732-LK46                     |
| <b>Mobile phase</b>     | Proprietary                       |
| <b>Flow rate</b>        | 0.1 ml/min                        |
| <b>Temperature</b>      | 40 °C                             |
| <b>Detection</b>        | UV at 220 nm                      |
| <b>Injection volume</b> | 20 $\mu$ l                        |
| <b>Analytes</b>         | <b>1. Synthetic prostaglandin</b> |