



CHANGES TO THE INTERNATIONAL THRESHOLDS:
PREDNISOLONE AND TESTOSTERONE

The British Horseracing Authority (BHA) would like to advise the Responsible Person (i.e. trainers, owners, breeders) and their veterinary surgeons of two changes to the International Thresholds, both effective 01 January 2019.

Prednisolone

Prednisolone is an endogenous substance, present naturally at low concentrations in horses. However, prednisolone may also be present in the horse as a result of administration of prednisolone containing medicines, such as Equisolon[®] and Prednidale[®].

Following an international study to establish endogenous levels of prednisolone in the horse, to which Great Britain contributed, the International Federation of Horseracing Authorities (IFHA) have approved the following raceday International Threshold for prednisolone (in red, bold):

Prednisolone – 0.01 micrograms free prednisolone per millilitre in urine

The BHA currently has a published Detection Time of 48 hours for prednisolone. **The BHA published Detection Time for prednisolone remains unchanged.**

| DETECTION TIMES | | | | |
|-----------------|--|---------------------|--|------------------------|
| Substance | Preparation | Dose | Route of Administration (no of horses) | Detection Time (hours) |
| Prednisolone | Prednidale [®] 25mg (Dechra) | 1mg/kg, single dose | Oral (6) | ≤ 48 [^] |

Testosterone

Testosterone is an endogenous substance, present naturally at varying concentrations in colts, geldings, fillies and mares. However, testosterone may also be present in the horse as a result of administration from an exogenous source i.e. synthetic testosterone esters.

Following an international study to establish the endogenous levels of plasma testosterone in fillies and mares, to which Great Britain contributed, the IFHA have approved the following amendment to the International Threshold for testosterone in plasma (amendment in red, bold):

Testosterone – 100 picograms free testosterone per millilitre in plasma from geldings, **fillies and mares (unless in foal)**

23 November 2018