

ARF Asian Screening Limits (ASLs) for the control of equine therapeutics

Therapeutic Substances	ASL *	Codes of Signatory Countries #
Betamethasone	0.2 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Dembrexine	100 ng/mL in urine	AU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Diclofenac	50 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Dipyrene	1000 ng/mL (of 4-methyl-amino-antipyrene) in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Flunixin	100 ng/mL in urine	AU, BH, HK, IN, JP, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Furosemide	50 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Hyoscine-N-butylbromide	25 ng/mL in urine	AU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Ipratropium	0.25 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Ketoprofen	100 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Lidocaine	10 ng/mL (of the 3'-hydroxy-lidocaine metabolite) in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Meloxicam	10 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Mepivacaine	10 ng/mL (of the 3'-hydroxy-mepivacaine metabolite) in urine	AU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE
Triamcinolone acetonide	0.5 ng/mL in urine	AU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE

Explanatory Notes:

1. The Asian Screening Limits (ASLs) are merely harmonised detection limits adopted by the signatory countries (and conveyed by instruction from racing authorities to their laboratories) for use in the screening of the specified therapeutic substances. **The ASLs are NOT international thresholds.** When this detection limit is exceeded in the screening process, qualitative confirmatory analysis will be followed to confirm the presence or absence of the prohibited substance. **Accurate quantification is NOT REQUIRED for reporting** as these therapeutic substances are prohibited by the relevant rules at any levels.

2. ASLs are NOT APPLICABLE to the concurrent detection of a diuretic (for urinary ASLs) or a pharmacologically related medication.

3. Urine and plasma ASLs of the same medication are to be applied INDEPENDENTLY.

4. The ASLs stated herein are identical to the **International Screening Limits (ISLs)** recently published by the International Federation of Horseracing Authorities.

* Unless indicated otherwise, the stated ASL is the free and conjugated concentration of the parent substance or a specified analyte in equine urine; or the free concentration of the parent substance or a specified analyte in equine plasma.

Signatory countries (as of 31 May 2012) that have adopted the individual ASL. ARF Country codes: AU = Australia; BH = Bahrain; HK = Hong Kong; IN = India; JP = Japan; KR = Korea; MO = Macau; MY = Malaysia; MU = Mauritius; MN = Mongolia; NZ = New Zealand; OM = Oman; PK = Pakistan; PH = Philippines; QA = Qatar; SA = Saudi Arabia; SG = Singapore; ZA = South Africa; TH = Thailand; TR = Turkey; AE = United Arab Emirates; VN = Vietnam.