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

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Intrapeduct substancesASL *Codes of signatory countriesBetamethasone0.2 ng/mL in urineAU, BH, HK, IN, PP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE1. 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 in the screening of the specified therapeutic on their laboratories) for use in the screening of the specified therapeutic in the screening of the specified therapeutic in the screening of the specified therapeutic on their laboratories) for use in the screening of the specified therapeutic thresholds. When this detection limit is exceeded in the screening of the specified therapeutic on antipyrene) in urineFlunixin100 ng/mL (of 4- methyl-amino- antipyrene) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEFurosemide50 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEHyoscine-N-butylbromide25 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AELidocaine10 ng/mL (of the 3'- hydroxy-lidocaineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEMepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEMepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEMepivacaine10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEMepivacaine10 ng/mL in urineAU, BH	Thoronoutic Substances	ACT *	Codes of Signatory Countries [#]	Explanatory Notes:
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Hyoscine-N-butylbromide25 ng/mL in urinePK, QA, SA, ZA, TH, TR, AEdetection of a diuretic (for urinary ASLs) or a pharmacologically related medication.Ipratropium0.25 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE3. Urine and plasma ASLs of the same medication are to be applied INDEPENDENTLY.Ketoprofen100 ng/mL (of the 3'- hydroxy-lidocaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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 urine; or the free 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 urine; or the free 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 ur	Hyoscine-N-butylbromide	25 ng/mL in urine	AU, BH, HK, IN, MO, MY, MU, MN,	2. ASLs are NOT APPLICABLE to the concurrent detection of a diuretic (for urinary ASLs) or a
Ipratropium0.25 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEpharmacologically related medication.Ketoprofen100 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE3. Urine and plasma ASLs of the same medication are to be applied INDEPENDENTLY.Lidocaine10 ng/mL (of the 3'- hydroxy-lidocaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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			PK, QA, SA, ZA, TH, TR, AE	
Ipratropium0.25 ng/mL in urineMN, PK, QA, SA, ZA, TH, TR, AE3. Urine and plasma ASLs of the same medication are to be applied INDEPENDENTLY.Ketoprofen100 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE3. Urine and plasma ASLs of the same medication are to be applied INDEPENDENTLY.Lidocaine10 ng/mL (of the 3'- hydroxy-lidocaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Meloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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	T / ·	0.05 / 1 : :	AU, BH, HK, IN, JP, MO, MY, MU,	pharmacologically related medication.
Ketoprofen100 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE3. Urine and plasma ASLs of the same medication are to be applied INDEPENDENTLY.Lidocaine10 ng/mL (of the 3'- hydroxy-lidocaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Meloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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 ulasma	Ipratropium	0.25 ng/mL in urine	MN, PK, QA, SA, ZA, TH, TR, AE	
Ketoprofen100 ng/mL in urineMN, PK, QA, SA, ZA, TH, TR, AEare to be applied INDEPENDENTLY.Lidocaine10 ng/mL (of the 3'- hydroxy-lidocaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Meloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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 urine; or the free 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		100 / I · · ·	AU, BH, HK, IN, JP, MO, MY, MU,	3. Urine and plasma ASLs of the same medication
Lidocaine10 ng/mL (of the 3'- hydroxy-lidocaine metabolite) in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Meloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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 urine; or the free concentration of the parent substance or a specified analyte in equine plasma	Ketoproten	100 ng/mL in urine	MN, PK, QA, SA, ZA, TH, TR, AE	are to be applied INDEPENDENTLY.
LidocaineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Meloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE4. The ASLs stated herein are identical to the International Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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		10 ng/mL (of the 3'-		
International Screening Limits (ISLs) recently metabolite) in urineMeloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEInternational Screening Limits (ISLs) recently published by the International Federation of Horseracing Authorities.Meloxicam10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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	Lidocaine	hvdroxy-lidocaine	AU, BH, HK, IN, JP, MO, MY, MU,	4. The ASLs stated herein are identical to the
Meloxicam10 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEpublished by the International Federation of Horseracing Authorities.Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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		metabolite) in urine	MN, PK, QA, SA, ZA, TH, TR, AE	International Screening Limits (ISLs) recently
Meloxicam10 ng/mL in urineMo, DA, MA, Mo, MA, Mo, MA, MA, MA, Mo, MA, MA, MA, Mo, MA, MA, MA, MA, MA, MA, MA, MA, MA, MA			AU BH HK IN IP MO MY MU	published by the International Federation of
Mepivacaine10 ng/mL (of the 3'- hydroxy-mepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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 plasmaTriamcinolone acetonide0.5 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AE* 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	Meloxicam	10 ng/mL in urine	MN. PK. OA. SA. ZA. TH. TR. AE	Horseracing Authorities.
MepivacaineNot ng/mL (of me b)AU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEThe of ng/mL in urineMepivacaine metabolite) in urineAU, BH, HK, IN, MO, MY, MU, MN, PK, QA, SA, ZA, TH, TR, AEFree 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		10 ng/mL (of the 3'-		* Unloss indicated otherwise, the stated ASL is the
IntervacianteIntervaciantePK, QA, SA, ZA, TH, TR, AEIntervacianteIntervaciantemetabolite) in urinePK, QA, SA, ZA, TH, TR, AEsubstance or a specified analyte in equine urine; orTriamcinolone acetonide0.5 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN PK QA SA ZA TH TR AEsubstance or a specified analyte in equine plasma	Menivacaine	hydroxy-menivacaine	AU, BH, HK, IN, MO, MY, MU, MN,	free and conjugated concentration of the parent
Triamcinolone acetonide0.5 ng/mL in urineAU, BH, HK, IN, JP, MO, MY, MU, MN PK QA SA ZA TH TR AEsubstance of a specified analyte in equine plasma		metabolite) in urine	PK, QA, SA, ZA, TH, TR, AE	substance or a specified analyte in equipe wrine; or
Triamcinolone acetonide 0.5 ng/mL in urine MN PK OA SA ZA TH TR AE	<u> </u>		AU BH HK IN IP MO MY MU	the free concentration of the parent substance or a
	Triamcinolone acetonide	0.5 ng/mL in urine	MN PK OA SA ZA TH TR AF	specified analyte in equine plasma

Signatory countries (as of 31 May 2012) that have adopted the individual ASL. <u>ARF Country codes</u>: 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.