

SUPPLEMENTAL TABLES

Supplemental Table 1. Overall characteristics of the participating sites

Site	Madrid	Munich	Rotterdam
BGA EQUIPMENT	Radiometer ABL90+ Flex	Siemens RapidLab	Radiometer ABL90+ Flex
Nº BLOOD GAS ANALYSERS	33	35	27
ANALYSERS AT ED	3	1	2
Nº TEST PER YEAR	~200,000	~230,000	~240,000
ISO STANDARD	22870:2015	22870:2015	22870:2015
ORGANIZED AND LED BY THE LABORATORY	YES	YES	YES
POCT COMMITTEE	YES	YES	YES
STARTING DATE	1998	2003	2002

Supplemental Table 2. Kalemia distribution of the participating sites

	POCT			CL		
	Madrid (n=7,073)	Munich (n=10,840)	Rotterdam (n=3,172)	Madrid (n=7,073)	Munich (n=10,838)	Rotterdam (n=3,172)
SEVERE HYPOKALEMIA	1.47%	2.39%	1.61%	1.23%	0.61%	1.23%
MILD HYPOKALEMIA	7.70%	13.70%	9.93%	6.73%	5.11%	8.35%
NORMOKALEMIA	84.40%	79.20%	82.41%	84.89%	83.36%	83.54%
MILD HYPERKALEMIA	5.80%	4.60%	5.30%	6.73%	10.61%	6.21%
SEVERE HYPERKALEMIA	0.60%	0.20%	0.76%	0.42%	0.30%	0.66%

Supplemental Table 3. Madrid and Rotterdam. Green=nominal zone, orange=subnominal zone, red=severe subnominal

		POCT				
		SEVERE HYPOKALEMIA	MILD HYPOKALEMIA	NORMOKALEMIA	MILD HYPERKALEMIA	SEVERE HYPERKALEMIA
Central Lab	SEVERE HYPOKALEMIA	0.8% (n=85)	0.3% (n=30)	0.1% (n=11)	0.0% (n=0)	0.0% (n=0)
	MILD HYPOKALEMIA	0.5% (n=51)	5.0% (n=517)	1.7% (n=171)	0.0% (n=2)	0.0% (n=0)
	NORMOKALEMIA	0.2% (n=18)	3.0% (n=311)	79.4% (n=8,132)	1.5% (n=157)	0.4% (n=36)
	MILD HYPERKALEMIA	0.0% (n=1)	0.0% (n=1)	2.6% (n=266)	3.9% (n=396)	0.1% (n=9)
	SEVERE HYPERKALEMIA	0.0% (n=0)	0.0% (n=1)	0.0% (n=3)	0.2% (n=23)	0.2% (n=24)

Supplemental Table 4. Munich. Green=nominal zone, orange=subnominal zone, red=severe subnominal

		POCT				
		SEVERE HYPOKALEMIA	MILD HYPOKALEMIA	NORMOKALEMIA	MILD HYPERKALEMIA	SEVERE HYPERKALEMIA
Central Lab	SEVERE HYPOKALEMIA	0.6% (n=65)	0.0% (n=1)	0.0% (n=0)	0.0% (n=0)	0.0% (n=0)
	MILD HYPOKALEMIA	1.8% (n=191)	3.3% (n=358)	0.4% (n=39)	0.0% (n=0)	0.0% (n=0)
	NORMOKALEMIA	0.0% (n=2)	10.4% (n=1126)	72.4% (n=7,852)	0.3% (n=29)	0.0% (n=3)
	MILD HYPERKALEMIA	0.0% (n=0)	0.0% (n=0)	7.9% (n=856)	2.6% (n=283)	0.0% (n=1)
	SEVERE HYPERKALEMIA	0.0% (n=0)	0.0% (n=0)	0.0% (n=0)	0.2% (n=19)	0.1% (n=14)