

Arena System Reagents

Intended use for food and other sample material. All tests are measured at 340 nm, in 37 °C analyzing temperature.

Code	Reagent	Kits configuration/ maximal number of Arena tests from the kit	Method	Sample ranges with automated dilutions
984300	Ethanol	3x2 vials / 350 tests	Enzymatic test with alcohol-dehydrogenase	0.01-10 g/l
984316	Glycerol	3x2 vials / 350 tests	Enzymatic test with glycerokinase, ADP dependent hexokinase and glucose-6-phosphate-dehydrogenase	0.07 – 30 g/l
984302	D-Fructose	3x3 vials / 350 tests	Enzymatic test with hexokinase, phospho-glucose isomerase and glucose-6-phosphate dehydrogenase	0.7-140 g/l
984304	D-Glucose	3x2 vials / 350 tests	Enzymatic test with hexokinase and glucose-6-phosphate dehydrogenase	0.1-120 g/l
984314	D-Glucose + D-Fructose	3x3 vials / 350 tests	Enzymatic test with hexokinase, phospho-glucose isomerase and glucose-6-phosphate dehydrogenase	0.1-168 g/l
984317	D-Glucose + D-Fructose + Sucrose	3x4 vials / 350 tests	Enzymatic test with beta-fructosidase (Invertase), hexokinase, phospho-glucose isomerase and glucose-6-phosphate dehydrogenase	0.24 – 200 g/l
984312	Sucrose ⁽¹⁾ (Total Glucose)	3x3 vials / 350 tests	Enzymatic test with beta-fructosidase (Invertase), hexokinase and glucose-6-phosphate dehydrogenase	0.1-60 g/l
984323	Lactose ⁽¹⁾ (Glucose)	3x3 vials / 350 tests	Enzymatic test with galactosidase (Lactase), hexokinase and glucose-6-phosphate dehydrogenase	0.05 – 15 g/l

⁽¹⁾ D-Glucose result is needed for Sucrose and Lactose calculation from assayed Glucose

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Code	Reagent	Kits configuration/ maximal number of Arena tests from the kit	Method	Sample ranges with automated dilutions ⁽¹⁾
984318	Acetic acid	3x2 vials / 350 tests	Enzymatic test with acetate kinase	0.02 – 3 g/l
984306	D-Lactic acid	3x2 vials / 335 tests	Enzymatic test with D-Lactate-dehydrogenase	25-1600 mg/l
984308	L-Lactic acid	3x2 vials / 335 tests	Enzymatic test with L-Lactate-dehydrogenase	20-1600 mg/l
984310	L-Malic acid	3x3 vials / 350 tests	Enzymatic test with L-Malate-dehydrogenase and glutamate-oxalacetate-transaminase	0.05-20 g/l
984320	Ammonia	3x3 vials / 350 tests	Enzymatic test with glutamate dehydrogenase	10 – 420 mg/l
984321	Urea ⁽²⁾ (Ammonia)	3x3 vials / 350 tests	Enzymatic test with urease and glutamate dehydrogenase	10 – 720 mg/l

⁽²⁾ Ammonia result is needed for Urea calculation from assayed Ammonia

Code	Calibrator/ Control	For test	Kit configuration
984384	Alcohol standard	Ethanol	10 ampoules, 0.5 g/l
984386	Glycerol standard	Glycerol	3 x 3 ml, see the kit label, around 0.21 g/l
984380	Sugar combination standard	D-Glucose, D-Fructose and Sucrose	3 x 3 ml, see the kit label
984390	Lactose standard	Lactose (Glucose)	3 x 3 ml, see the kit label, around 0.95 g/l
984382	Acid combination standard	Acetic acid, L-Malic acid, L-Lactic acid and D-Lactic acid	3 x 3 ml, see the kit label
984388	Urea standard	Urea (Ammonia)	3 x 3 ml, see the kit label, around 500 mg/l

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