

	Component/Komponent	Max. loading capacity/Max.kapacita prístroja	Needed for 24 samples/Spotreba na 24 vzoriek	Max # of runs/max. Počet behov	Max # of samples/Max.počet vzoriek	Waste/piece (g) / Hmotnosť odpadu na kus (g)	Waste/run of 24samples (g) /Hmotnosť odpadu na celý beh 24 vzoriek (g)
Consumables/Spotrebný materiál	Processing plate	4	1	4	96	35.00	35.00
	Liquid waste plate	4	1	4	96	31.00	31.00
	Amplification plate	8	1	8	192	17.00	17.00
	Processing tips	3 x 96	48	6	144	1.35	65.00
	Eluate tips	2 x 96	24	8	192	0.73	17.50
Test specific reagents/Špecifické reagencie	Reagent cassettes	15	1-6 (assays per run)	120 - 300	2,880 -7,200	0.14	3.28
	Control mini racks	16	N/A	(3)-32	(72)-768	7.50	7.50
Omni reagents/Omni reagencie	MGP cassette	1	24 ticks	20	480	0.30	7.25
	Wash reagent	1x4L container+reservoir	≈0.4L	≈11	≈240	n/a	n/a
	Lysis reagent	2x1L bottles	≈0.1L	≈18	≈432	n/a	n/a
	Diluent	1x1L bottle +reservoir	≈0.08L	≈10	≈240	n/a	n/a
Waste/Odpad	Liquid waste	2x5L container	≈0.5L	≈20	≈480	n/a	n/a
	Solid waste	1 solid waste bag	N/A	≥20	≥480	93.02	183.53

Scenario 1: ALL liquid waste goes to the liquid waste container *

Total volume per run:		~ 0.5	L	includes priming
Composition:	12	mL	Sample Media	
	350	mL	Wash Buffer	
	100	mL	Lysis Buffer	
	80	mL	Specimen Diluent	

Scenario 2: ONLY HAZARDOUS liquid waste goes to the liquid waste container *

Total volume per run:		~ 0.2	L
Composition:	12	mL	Sample Media
	100	mL	Wash Buffer
	100	mL	Lysis Buffer
	10	mL	Specimen Diluent

Non-hazardous: 250 mL Wash Buffer
70 mL Specimen Diluent

*calculations based on 3 assays per run

1. cobas®5800 Solid Waste

Solid Waste per 4 runs a day respectively 120 Runs of 24 tests per month:

Component / Part	4 Runs of 24 tests		120 Runs of 24 tests
	Waste	Weight	Weight
Tip CORE TIPS with Filter,1ml	2 pieces	260g	7.8kg
Tip CORE TIPS with Filter,300ul	1 piece	70g	2.1kg
cobas omni Processing Plate 24	4 pieces	140g	4.2kg
cobas omni Liquid Waste Plate 24	4 pieces	124g	3.72kg
cobas omni Amplification Plate 24	4 pieces	68g	2.04kg
cobas®5800 Amplification Reagent cassette (384 tics*)	¼ piece	52.5g	1.575kg
cobas®5800 Systems Roche Manufactured Controls (RMC mini rack**)	2 pieces	60g	1.8kg
cobas®5800 NHP Negative Control (mini rack)	1 piece	30g	0.9kg
cobas omni MGP Reagent cassette (480 tics)	0.2 piece	29g	0.87kg
Total amount of Solid Waste		~0.9kg	25.1kg

*different kit sizes available: 192T, 384T & 480T

**depending on the used assay and control concept, up to 1 mini rack is used for a run of 24 tests