

# Overview of standard specifications of c 303

 [rdkm.roche.com/explore/products/335734/backgrounds/371802](https://rdkm.roche.com/explore/products/335734/backgrounds/371802)

System / infrastructure (backgrounds)

Technical information

Overview of standard specifications of c 303

Overview of standard specifications of ISE

Overview of the feet leveling

Center of gravity: c303 analytical unit

Overview of the physical hardware connections

Overview of casters and leveling feet placement

Weight distribution at the leveling feet of the c303 unit

Item	Specifications
Max. throughput	450 tests/h
Number of c pack green set position	42 positions Position number 1 to 14 : inner ring Position number 15 to 42 : outer ring
Assay	End point, rate
Sample volume without whole blood	1.0-25.0 µl
Sample volume(Whole blood)	1.3-2.0 µl with water push method
Sample dilution	to 136 times  Presetting dilution ratios for sample: 3, 5, 10, 20, and 50 times

Item	Specifications	
Sample liquid level detection	Possible	
Sample nozzle clogging detection	Possible	
Reagent	c pack green	
Reagent pipetting number	R1/R2/R3: 1 pipetting unit	
Reagent pipetting methods	Dummy pipetting Water push pipetting Without dummy pipetting	
Reagent pipetting volume	15 - 135µl	
Reagent dispensing volume(Water push)	20 - 135µl	
Reaction time	Reaction time shall be selectable from 3 to 10 minutes in 1 minute unit.	
Reaction cell	3.4mm (W) × 5.0mm (D)	
Reaction solution volume	75-185 µl	
Reaction temperature	37°C ± 0.1°C	
Mixing	R1/R2/R3 mixing: 1 piece	
Photometer	Wavelengths	340, 376, 415, 450, 480, 505, 546, 570, 600, 660, 700, 800nm
	Linearity	<Abs.3.3
Water consumption	approximately 16 L/h or less	

Item	Specifications
Power Supply	from core
Power consumption	1.5 kVA
Heat generation	5400 kJ/h
External footprint	1,000 mm (W) * 800 mm (D)
External dimensions	1,350 mm (W) * 800 mm (D)
Weight	400 kg
Limitation of altitude	<ul style="list-style-type: none"> <li>- Up to 2,000 m above sea level</li> <li>- 2,000 to 3,000 m above sea level with specific SW settings (high altitude mode)</li> </ul>