

Comparison of Tube Inner Wall Wear between Ring Pump and Other Manufacturer's Roller Pump

After continuously operating our ring pump and a other manufacturer's roller pump under the following conditions for 500 hours, we will compare the condition of tube inner wall wear (weight of wear particles).

<Test condition> Tube: Silicone tube ID x OD: $\Phi 4 \times \Phi 6$ mm
 Operating time: 500 hours (room temperature)
 Discharge rate: 50 mL/min
 Pump: 1. Our company's Ring Pump (1 roller)
 2. Other manufacturer's Roller Pump (2 rollers)

Comparison of weight of wear particles

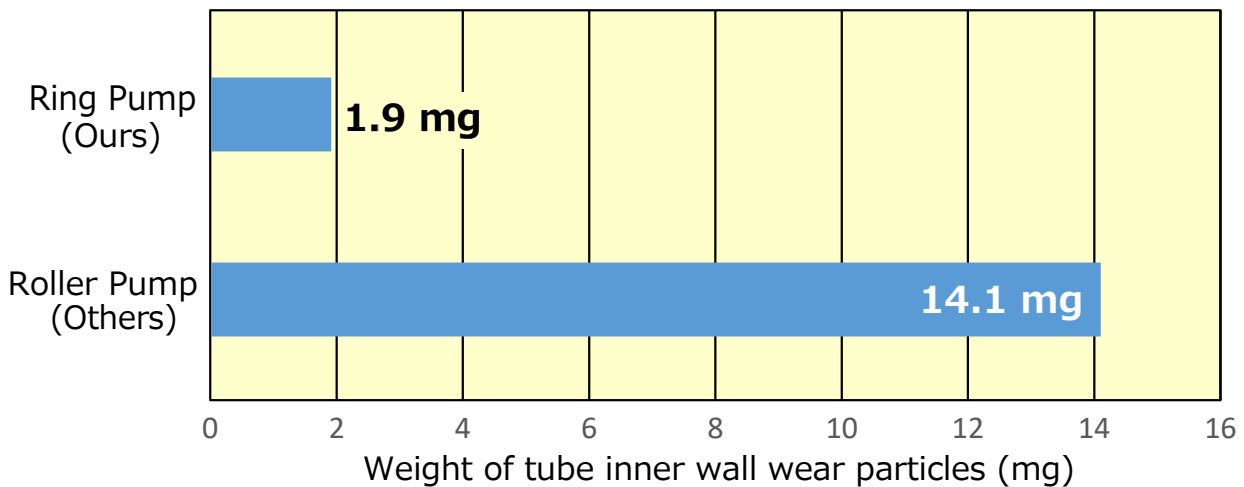

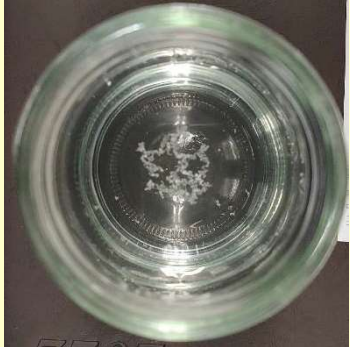


Photo of tube inner wall wear particles

Pump	Ring Pump (Ours)	Roller Pump (Other manufacturer's)
Tube	Silicone Tube $\Phi 4 \times \Phi 6$ mm	Silicone Tube $\Phi 4 \times \Phi 6$ mm
Pump operating time	500 hours	500 hours
Photo of wear particles	 <div style="text-align: center; margin-top: 5px;">10mm</div>	 <div style="text-align: center; margin-top: 5px;">10mm</div>
Floating objects	Trace amount	Large amount
Sinking objects	Trace amount	Small amount