

Legiolert Test

Potable water 10 mL protocol



The steps below are a guide only. Refer to the product insert (at idexx.com/waterinserts) for detailed instructions.

Chlorinated water must be collected in vessels with sodium thiosulfate.



1a. Either add 10 mL sample volume to a sterile vessel with no additives; fill to 100 mL fill line with appropriate sterile diluent...



1b. Or add 10 mL of sample into a vessel with 90 mL of predisposed appropriate sterile diluent and no additives.



2. Add contents of Legiolert* blister pack to the sample.



3. Cap the vessel and shake to dissolve. Sample may remain cloudy but can be added to the Quanti-Tray* when no large particles are visible.



4. Agitate and then pour sample into a Quanti-Tray*/Legiolert* tray.† Tap tray to remove any air bubbles from small wells.



5. Immediately seal the tray using the Quanti-Tray* Sealer PLUS.



6a. Place trays paper side down into humidified incubator at 39°C ($\pm 0.5^\circ\text{C}$) for 7 days. Provide adequate humidity to minimize Quanti-Tray water loss during 7 days. Do not remove trays from the incubator prior to the final read.



6b. Alternatively, insert tray(s) paper side down into an appropriately sized resealable plastic bag or box. Then incubate container at 39°C ($\pm 0.5^\circ\text{C}$) for 7 days. Do not remove trays from the incubator prior to the final read.



7. Read results: Any brown and/or turbid wells are positive for *Legionella pneumophila*. Count positive wells and quantify using MPN table.

For technical support, contact IDEXX at 1-800-321-0207 or water@idexx.com.

†Legiolert and Quanti-Tray/Legiolert are for use only with the Quanti-Tray Sealer PLUS.

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