

Urine Specific Gravity: Appendix C – Instrument Maintenance ATAGO Pocket PAL-10S

CLEANING the Exterior

EXTERIOR SURFACE	SUPPLIES
DAILY after use – or as required if dirt, urine or lint is present.	2% Chlorhexidine in 70% isopropyl alcohol wipes. Distilled (Sterile) Water – DH ₂ O – 0.5 or 1L bottle.
INFECTION CONTROL	CaviWipes – Disinfectant Wipes (Metrex)

1. **SELECT** appropriate cleaning /disinfectant wipe.
2. **WIPE** the exterior surface.
3. **To disinfect**, wipe the exterior surface with a second wipe.
4. **AIR DRY**.
5. **DAMPEN** tissue with **distilled water** to wipe any residual disinfectant solution from the refractometer.

Caution: Residual disinfectant can be harmful to the prism surface of the refractometer.

When to Clean the prism surface with DH₂O:

- Before Zero SET.
- Before and immediately after each Quality Solution or Patient Sample measurement.
- Dry any excess moisture with a clean, dry tissue.

Note: Biological solutions left on the prism surface for any extended period of time will damage the prism.



PRECAUTIONS:

- Use the instrument on a flat surface. Avoid movement during the measurement.
- Keep the exterior surface and prism area clean.
- When cleaning – do not use Distilled water at temperatures > 30°C.
- Only disinfect with approved wipes.
- Keep the refractometer dry and avoid exposing it to extremes in temperature.
- Avoid dust during storage. Clean prior to use.
- Do not take apart.
- If you drop the refractometer, inspect it for obvious damage. Perform a Zero Set with Distilled Water, and Quality Control test prior to running a patient sample. If the Quality test does not pass, contact the laboratory for replacement.

Note: ATAGO Pocket PAL-10S is water resistant and may be cleaned under running water.
Caution: Instrument is not water proof. DO NOT SUBMERGE UNDER WATER.

REFERENCES:

ATAGO Instructions of Urine Specific Gravity Refractometer URIVON-Ne
Textbook of Clinical Chemistry. Norbert W.Tietz 1986 WB Saunders.

REVISION & APPROVAL LOG

Version	Revision Type	Description of Change	Revision Date	Technical Approval	Medical Approval
1.0		New document	Nov 2013	Elvira Kozak	Dr. Cathy Halstead
1.1	Minor	Document title and number change. Upload to QMS document control	28 Dec 2016		Dr. Benjamin Jung

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